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AUTHOR INDEX AND VOLUME CONTENTS

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Author Index 2003

Abad A. 9523
Abarbri M. 4433
Abbaspour Tehrani K. 2231
Abbaspour Tehrani K. 3099
Abbiati G. 7397
Abbiati G. 9887
Abdolahzadeh B. 4993
Abe H. 1639
Abele E. 7603
Abhilash N. 10279
Abt J. W. 2297
Accorsi G. 3833
Adaikalasamy K. J. 3613
Adam W. 7929
Adamczyk M. 5749
Adamczyk M. 8129
Adamo M. F. A. 2197
Adelwöhrer C. 2687
Adelwöhrer C. 3231
Adelwöhrer C. 8177
Adlington R. M. 2197
Adlington R. M. 8233
Adolph S. 3003
Afonso C. A. M. 789
Ágai B. 7897
Agami C. 9701
Agarwal N. 2353
Aguilar A. M. 5817
Agulló C. 9523
Ahlgren M. 377
Ahmed A. A. 3729
Ahmed A. F. 7337
Ahmed S. A. 4135
Ai X. 4843
Airaksinen A. J. 377
Akaki T. 197
Akiba K. 255
Akireddy S. R. 5749
Akireddy S. R. 8129
Akita H. 2679
Akssira M. 677
Akssira M. 3665
Alagille D. 2843
Alajarín M. 9913
Ala-Peijari M. 567
Al-Awadi N. A. 5425
Al-Awadi N. A. 9455
Al-Azemi T. F. 9147
Al-Azmi A. 2749
Albini A. 947
Albini A. 6409
Alcock N. W. 5595
Alcock N. W. 6473
Alderfer J. L. 499
Alekseyev V. V. 1939
Alesso S. M. 7163
Alexander C. 2025
Alexandre C. 3127
Alexandre F.-R. 1413
Ali A. T. 3729
Ali Z. 5347
Alipanah L. 8213
Alizadeh A. 1289
Alizadeh A. 6083
Alkhathlan H. Z. 8163
Allain M. 5773
Allen S. H. 9001
Al-Maharik N. 4177
Almeida Paz F. A. 7907
Alonso F. 5199
Alonso M. Á. 2821
Al-Saleh B. 8489
Alvarez A. 9179
Aly A. A. 1739
Aly A. A. 6067
Amabilino D. B. 3937
Amal Raj A. 2907
Amaro-Luis J. 419
Amato M. E. 2241
Amii H. 1547
Amosova S. V. 3467
Amri H. 1369
An H. 2297
Anary-Abbasinejad M. 1289
Anary-Abbasinejad M. 6083
Anaya de Parrodi C. 4077
Anaya J. 241
Andersson P. G. 9695
Ando H. 4135
Andrey O. 8543
Angelovski G. 8265
Angermund K. 5073
Anikin A. 5295
Anilkumar G. 77
Animati F. 1309
Annunziata R. 6481
Anslyn E. V. 10089
Antipin I. S. 1469
Antipin M. Yu. 1753
Antolini L. 5083
Antonioletti R. 1673
Anwander R. 10567
Aouf N.-E. 6051
Aprile C. 2241
Aqad E. 5773
Arai I. 4581
Arakawa Y. 7555
Aránega A. 5457
Aránega A. 8017
Arbuzova S. N. 4789
Arcadi A. 4661
Arduini A. 7587
Argade N. P. 2991
Argade N. P. 6489
Arif A. M. 2471
Ariga A. 7057
Armaroli N. 3833
Armstrong A. 367
Arnó M. 6455
Arnó M. 9167
Arnone A. 5033
Arora S. 3609
Arrate M. 5515
Arroyo P. 677
Arsenyan P. 7603
Artale E. 6241
Arun M. 2309
Ashton P. R. 3975
Aspinall H. C. 10453
Ast T. 9919
Astleford B. 2667
Ata A. 4215
Ates A. 8989
Atherton J. C. C. 9039
Atta-ur-Rahman 5549
Attia A. M. E. 1749
Aubard J. 2567
Aubertin A.-M. 2177
Aubertin A.-M. 3127
Aubertin A.-M. 9635
Augustynowicz-Kopeć E. 1885
Aurell M. J. 3117
Aurrecoechea J. M. 5515
Aurrecoechea J. M. 7111
Austin L. R. 8775
Autore G. 10203
Avemaria F. 6785
Avendaño C. 2821
Avenoza A. 5713
Azizi N. 5329
Azizoğlu A. 3691
Azuma K. 1639
Azumaya I. 2325
Azzena U. 7961
Baag Md. M. 6489
Baba T. 6851
Babu J. N. 3267
Babu S. A. 8117
Bacher M. 10075
Baciocchi E. 613
Bacqué E. 2929
Badescu V. 4315

Bae J. W. 10331
Baggio R. 1009
Bahsas A. 419
Bailey P. D. 3369
Bailly C. 773
Bakibaev A. A. 7521
Bakkestuen A. K. 115
Balaban A. T. 3291
Balci M. 2063
Balci M. 3691
Baldamus J. 5295
Baldoli C. 7733
Baldwin J. E. 1719
Baldwin J. E. 2197
Baldwin J. E. 8233
Ballereau S. 5879
Ballini R. 1143
Ballini R. 3603
Ballini R. 7283
Balzani V. 3845
Bandyopadhyay A. 5289
Bane S. 9979
Banerjee S. 8399
Banfi G. 6241
Banghart M. R. 8919
Bansal V. 561
Banwell M. G. 9239
Bao M. 303
Bao M. 9655
Baran A. 3643
Baranac M. 7803
Barata I. G. 2333
Barba F. 9161
Barbarella G. 5083
Barco A. 8439
Baricordi N. 8439
Barker D. 2441
Barrett A. G. M. 9083
Barriault L. 10105
Barrière J.-C. 2929
Barrios I. 1971
Barsanti P. A. 367
Bartolinčić A. 2435
Basabe P. 685
Basabe P. 2333
Basabe P. 9173
Baskaran S. 631
Bassarello C. 9555
Basu P. K. 2151
Baswell R. 8775
Batanero B. 9161
Báthori N. 9371
Bátori S. 4297
Batra S. 663
Bauer I. 1753
Bauer T. 10009
Bauer W. 3899
Baumann K. 10075
Bautista D. 9913
Bayat M. 2001
Bayón P. 8803
Bazureau J. P. 6121
Beall S. L. 9083
Beaudry C. M. 8919
Beccalli E. M. 4615
Beccalli E. M. 9887
Beddie D. G. 7131
Bednarz Sz. 649
Beezer A. E. 3873
Begum L. 4827
Behbehani H. 7273
Behr J.-B. 543
Belaj F. 2811
Bellebaum K. 87
Bellido A. 857
Bellina F. 2067
Bellina F. 9091
Bělohradský M. 7751
Belvisi L. 6241
BeMiller J. N. 9413
Bencini M. 6481
Benet-Buchholz J. 655
Benetti S. 8439
Berbasov D. O. 1647
Berberich S. M. 6819
Berecibar A. 1413
Berettoni M. 1309
Berger R. G. 6109
Bergeron R. J. 2007
Bergman J. 1033
Bergman J. 1265
Bergman J. 9649
Bergström K. A. 377
Bernard A. M. 9433
Bertho G. 8721
Bertram A. 6979
Besedin D. V. 7669
Beshah K. 2223
Besra G. S. 10239
Besson T. 773
Besson T. 1413
Betancur-Galvis L. 6455
Beumer R. 8803
Beurskens P. T. 175
Bhaduri A. P. 663
Bhanumathi N. 2363
Bhar S. 3493
Bharti N. 2007
Bhatia S. C. 5027
Bhattacharjee A. 4623
Bhattacharrya T. 4309
Bhattacharya A. 10269
Bhattacharya A. K. 2871
Bhattacharyya A. 3275
Bhattacharyya T. 7921
Bhawal B. M. 2309
Bi K. 4209
Białońska A. 6595
Bianchi L. 10195
Bibal B. 5849
Bickley J. F. 5731
Biellmann J.-F. 7315
Bieniek M. 4525
Bienz S. 7527
Biernat J. F. 4415
Bietti M. 613
Bifulco G. 9555
Bijanzadeh H. R. 4785
Bijanzadeh H. R. 6083
Bilodeau F. 2781
Binder W. H. 3231
Biondini G. 8439
Bisht K. S. 7713
Bisht K. S. 9147
Biswas A. 5289
Biswas P. 2151
Bittner S. 2939
Bjernemose J. K. 10255
Blache Y. 5869
Bladon P. 9349
Blake A. J. 6979
Blakely R. 8035
Blakskjær P. 10541
Blanáriková-Hlobilová I. 3333
Blanco L. 2451
Blaurock S. 5295
Błażewska K. 10249
Blechert S. 6545
Blench T. J. 367
Blond G. 6899
Bloxton J. D., II 3183
Boccalini M. 5215
Bodaghi A. 1169
Boeykens M. 2231
Bogdal D. 649
Bojinov V. 9591
Bokotey S. 4297
Boland W. 135
Boland W. 149
Bols M. 2801
Bolte J. 6109
Bona F. 1381
Bongini A. 5083
Bongini A. 9577
Bonini C. 7515
Bonjoch J. 2657
Booker-Milburn K. I. 8793
Booth B. L. 2749
Borcherding D. R. 2953
Bornand M. 3237
Bortoluzzi A. J. 5441
Bortoluzzi A. J. 10187
Bosica G. 1143
Bosica G. 3603
Bosica G. 7283
Botting N. P. 4177
Botting N. P. 5407
Bouillon A. 10043
Boulaiz H. 8017
Bourg S. 7365

Bourgogne C. 3833
Bourgougnon N. 2177
Bourgougnon N. 9635
Bourguet-Kondracki M.-L. 6539
Bourguignon J. 4911
Bourguignon J. 9583
Bourland T. C. 8963
Bourquin G. 9961
Bouwmeester H. J. 409
Bovicelli P. 1673
Bovy P. R. 10043
Box J. M. 4827
Boyd M. R. 10231
Boyd F. L., Jr. 9001
Boysen M. M. K. 3895
Bozzo C. 1227
Bradley M. 3945
Bradley M. 7163
Bradley M. 10213
Brandi A. 5231
Brands K. M. J. 1317
Brandt J. D. 8515
Brandt P. 9695
Branowska D. 5039
Bräse S. 885
Bräse S. 6785
Braud E. 10051
Bräuner-Osborne H. 1443
Braverman S. 2641
Bravo P. 7147
Bremberg U. 9583
Bremner J. B. 8741
Brenna E. 7147
Brettle R. 4377
Brewis M. 3863
Brimble M. A. 2441
Brimble M. A. 5861
Brindani E. 7587
Bringmann G. 1245
Bringmann G. 7791
Broggini G. 9887
Brooks M. E. 8003
Brothers H. M., II 3799
Brown S. 8275
Brückner C. 9137
Brukwicki T. 5531
Brukwicki T. 8597
Brun R. 2811
Bruneau C. 9425
Bruno I. 10203
Bruyère H. 5879
Bryans J. S. 6221
Bu W. 2463
Bucelli I. 5251
Bucholz M. 3945
Buděšínský M. 7751
Bueno-Sanchez J. G. 6455
Buetler T. M. 5241
Bugada P. 8803
Bugg T. D. H. 7075
Bujnowski K. 1885
Bukuru J. 5905
Bunkoczi G. 4443
Buono G. 8821
Burger A. 7315
Burger K. 1389
Burgess K. 3109
Burguete M. I. 1797
Burke T. R., Jr. 6087
Burnett C. A. 1961
Burton G. 1009
Burton J. N. 8035
Busato S. 461
Buschhaus B. 3899
Buschmann N. 6545
Busemann S. 1245
Busto J. H. 5713
Butini S. 87
Butler A. 2007
Cabaj J. 4761
Cabiddu M. G. 2893
Cabiddu M. G. 4383
Cabiddu S. 2893
Cacatian S. T. 7177
Caccamese S. 8589
Cacchi S. 4661
Caddick S. 5417
Cadoni E. 2893
Cadoni E. 4383
Cagnoli R. 9951
Caine D. 9779
Calcul L. 6539
Calter M. A. 3545
Calvet S. 6333
Caminade A.-M. 3965
Campana E. 9577
Campiani G. 87
Campos J. M. 5457
Campos J. M. 8017
Camps P. 1971
Camps P. 4143
Camuzat-Dedenis B. 8543
Candela P. 1909
Candiani G. 5033
Canselier J. P. 555
Cantrill A. A. 3677
Cao D. 5323
Cao H. 249
Capetta S. H. 9137
Caprara H. J. 8775
Capriati V. 9707
Capriati V. 9713
Caprioli I. 947
Caproiu M. T. 3291
Carbone M. 5579
Carda M. 857
Carda M. 4085
Cardoso A. L. 2345
Carlier R. 5273
Carlucci C. 9707
Carmeli S. 8329
Carpentier J.-F. 2793
Carpita A. 2067
Carr J. A. 7713
Carr J. A. 9147
Carreira E. M. 6813
Carreón-Macedo J. L. 6415
Carroll P. J. 6933
Carter R. G. 8963
Cartoni A. 1309
Caruso T. 7787
Casas L. 1553
Caselli M. 1453
Casnati A. 5539
Cassidy A. 5407
Cassidy M. P. 4939
Castanet Y. 2793
Castedo L. 7231
Castedo L. 8057
Castillo E. 857
Castillo E. 4085
Catalán C. A. N. 959
Catanoso G. 5555
Cattaruzza F. 1673
Cavaleiro J. A. S. 7907
Čeković Ž. 187
Čeković Ž. 8073
Célanire S. 9627
Cenarruzabeitia E. 4491
Cepanec I. 2435
Cermenati L. 6409
Černý I. 4069
Ceroni P. 3845
Chabaud L. 8543
Chae J. 7571
Chai C. L. L. 8731
Chai D. 3183
Chaikof E. L. 631
Chaiyanurakkul A. 9825
Chakraborti A. K. 7661
Chakraborty T. K. 8613
Chakraborty T. K. 9127
Chan A. S. C. 833
Chan H.-S. 10373
Chan K. S. 10295
Chan Y.-H. 3815
Chandrasekaran S. 7761
Chang B.-R. 9383
Chang C.-P. 5719
Chang F.-J. 1509
Chang H.-M. 3635
Chang M.-Y. 7547
Chang M.-Y. 9383
Chang N.-C. 7547
Chang N.-C. 9383
Chang Y. A. 8245
Chang Y. M. 10331
Chanphen R. 1015
Chao H.-H. 8827
Charnikhova T. 4287

Chasse T. L. 3853
Chattopadhyay P. 4623
Chaudhuri S. K. 3493
Chavan S. P. 2737
Chavignon O. 5869
Chawla H. M. 7481
Chęcińska L. 7681
Chelladurai V. 1255
Chelucci G. 9471
Chen C. 6363
Chen C.-C. 6341
Chen C.-Y. 1509
Chen C.-Y. 5719
Chen C.-Y. 7547
Chen C.-Y. 9383
Chen D. 7879
Chen G. 4907
Chen H. 3505
Chen H.-C. 5719
Chen J. 8251
Chen K.-Z. 1493
Chen L. 4193
Chen L.-Y. 6797
Chen Q. 871
Chen Q.-Q. 10037
Chen S.-T. 7547
Chen S.-Y. 9939
Chen W. 6363
Chen W.-M. 7033
Chen Y. 4795
Chen Y.-H. 9939
Chen Y.-J. 7609
Cheng C.-C. 5719
Cheng C.-C. 8245
Cheng C.-H. 3635
Cheng C. H. K. 3815
Cheng S.-Y. 1477
Cheng T.-S. 6341
Cheng Y.-M. 5719
Cheon S. H. 7501
Cherkinsky M. 2641
Cherney R. J. 6819
Cherng C.-H. 1539
Chernysheva N. A. 4789
Chéry F. 4563
Chesnokov A. A. 1995
Chessum N. E. A. 6221
Cheung M.-S. 10373
Chevrier C. 543
Chezal J. M. 5869
Chiacchio U. 3581
Chiacchio U. 4733
Chiacchio U. 5231
Chiang P. K. 4795
Chibale K. 2289
Chimichi S. 5215
Chinchilla D. 1679
Chinda I. 1895
Chippindale A. M. 3253
Chitry F. 10313
Chittimalla S. K. 4039
Chiu N.-R. 5719
Chmielewski M. 5893
Cho B. S. 9333
Cho B. T. 2457
Cho C. S. 7997
Cho J.-H. 6103
Cho Y. S. 6991
Choi H.-J. 7997
Choi M. K. W. 7171
Cholli A. L. 1333
Choquesillo D. 5457
Chou P.-T. 5719
Chou T.-C. 1493
Chou T.-C. 9939
Choudhary M. I. 5549
Chovelon J.-M. 9591
Chow H.-F. 3815
Chow T. J. 5719
Chowdhury C. 6873
Chowdhury S. 4623
Christlieb M. 9719
Christoffers J. 3769
Chu C. K. 6423
Chu D. T. W. 7033
Chu H. Y. 2773
Chuang C.-P. 3511
Chuburu F. 4573
Chun J. S. 6445
Chung L.-W. 6341
Chung W. J. 10031
Cibin F. R. 3455
Cibin F. R. 9971
Cicchi S. 5231
Cimino G. 5579
Cimino P. 9555
Cioci G. 3603
Cipollone A. 1309
Císařová I. 7751
Ciunik Z. 6595
Clase H. 6473
Clays K. 6481
Clemente D. A. 8445
Clerici F. 1667
Clerici F. 4615
Clerici F. 9399
Clivio P. 7377
Clough S. C. 207
Coady D. 1961
Coates C. M. 9147
Coates J. A. 8741
Cocca J. 5705
Coelho A. 2477
Coelho P. J. 2451
Cole K. P. 311
Coleman A. W. 7357
Collado I. G. 6267
Collado M. 1797
Collot V. 10043
Colmenares A. J. 6267
Colombo L. 4501
Colombo L. 6241
Colombo L. 7623
Colombo M. 4501
Colombo M. 6241
Colombo M. 7623
Colucci J. 6819
Comel A. 1557
Comes-Franchini M. 1971
Comin M. J. 295
Compernolle F. 1483
Compernolle F. 4721
Compernolle F. 5047
Compernolle F. 5481
Concepcion G. P. 2855
Connon S. J. 6545
Conti P. 1443
Contini A. 9399
Contreras R. 3117
Coogan M. P. 7389
Cooke G. 3341
Cooper S. H. 8775
Cordeiro P. J. 865
Correa A. 7103
Corsaro A. 4733
Corzana F. 5713
Cosimelli B. 5215
Cosimelli B. 7189
Cosimelli B. 10025
Coşkun N. 3481
Couladis M. A. 3729
Courillon C. 6819
Courillon C. 9759
Coutrot F. 2101
Coutrot P. 2101
Couture A. 6615
Couve-Bonnaire S. 2793
Covarrubias-Zúñiga A. 1989
Coverdale H. A. 311
Cowley A. 8233
Cox P. J. 6403
Craig D. C. 461
Crayston J. A. 4275
Cristau P. 7859
Cross P. W. C. 3349
Croteau R. 267
Crotti P. 1453
Cruz S. 4077
Cruz-Almanza R. 4953
Csuk R. 7887
Cuadrado P. 5855
Cueto M. 4805
Cui X. 6603
Cuñat A. C. 9523
Cuny G. D. 9961
Cuong N. M. 141
Cyrański M. K. 1657
Cyranski M. K. 3333
Czugler M. 9371
da Rocha R. M. 2855

Da Silva E. 7357
Dahlén A. 10397
Dai C.-F. 7337
Dai J. 9389
Daikai K. 877
Dajka K. 8353
Dall'Acqua F. 5215
Damont A. 10075
D'Angelantonio M. 8353
Danishefsky S. J. 7023
D'Anna F. 2241
Dantale S. W. 5507
Dantras E. 3965
Darbanian M. 5545
Darias J. 2059
Darias J. 4805
Darnaedi D. 5347
Darvas F. 655
Das B. 1049
Das S. 9127
Datta S. 4623
Dauban P. 1009
David O. 6333
Davidson L. 2025
Davies S. G. 3253
Davies-Coleman M. T. 165
Davis R. A. 2855
Day A. I. 1961
Day C. S. 9389
De A. 1339
De A. 4767
De Amici M. 1443
De Borggraeve W. M. 5047
De Buyck L. 1147
de Carvalho A. C. 7397
de Cremiers H. A. 3341
de Gelder R. 175
de Groot A. 409
de Groot A. 4287
de Groot A. 7743
de Groot A. 9361
de Guzzi Plepis A. M. 865
De Kimpe N. 2231
De Kimpe N. 3099
De Kimpe N. 4421
De Kimpe N. 5265
De Kimpe N. 5383
De Kimpe N. 5905
De Kimpe N. 5941
de Koning C. B. 7
de Koning C. B. 3175
de Koning C. B. 8337
de Kraker J.-W. 409
De Luca L. 5437
De Lucchi O. 4563
De Micheli C. 1443
De Montis S. 2893
De Montis S. 4383
de Oliveira Santos J. S. 10043
de Parrodi C. A. 4077
De Riccardis F. 1711
De Risi C. 8439
De Rosa M. 2125
De Tommasi N. 401
De Vitis L. 1381
Debreczeni J. E. 4443
Dechoux L. 9701
Declercq J.-P. 5849
Deelman B.-J. 10261
Defacqz N. 4167
Defoin A. 543
Deganello G. 4997
Degennaro L. 9707
Degennaro L. 9713
Dehaen W. 395
Dehaen W. 3937
Dei D. 10025
Dejaegher Y. 2231
Dekoj V. 7751
Del Buttero P. 5259
Del Río J. 4491
del Sol Jiménez M. 8901
Delaney E. J. 9019
Deleanu C. 111
Delgado F. 481
Delgado S. 9173
DellaGreca M. 2317
DellaGreca M. 4821
Dell'Erba C. 10195
Delmotte M. 2185
Delogu G. 2131
Delogu G. 9433
Demailly G. 155
Dembitsky V. M. 579
Dembitsky V. M. 4701
Deniau E. 6615
Denisenko D. 9187
Denissova I. 10105
Denivet F. 8049
Denk M. K. 7565
Depré D. 6797
Deredas D. 6503
Deshmukh A. R. A. S. 2309
Deshpande R. K. 2207
Deslongchamps P. 2781
Desmaële D. 2093
Desroses M. 4563
Dettori G. 7961
Dey S. S. 813
Dey S. S. 2417
Dhanalakshmi K. 9907
Dhavale D. D. 1873
Dhawan S. N. 5027
D'hooghe M. 3099
D'hooghe M. 5383
Di Bello N. 9971
Di Bussolo V. 1453
Di Chenna P. H. 1009
Di Filippo M. 1711
Di Giacomo M. 4501
Di Giacomo M. 7623
Diaba F. 2657
Díaz-Marrero A. R. 2059
Díaz-Marrero A. R. 4805
Díaz-Oltra S. 857
Dib H. H. 9455
Diego A. 9173
Dieter R. K. 1083
Dieu M. 4557
Díez D. 685
Díez D. 2333
Díez D. 9173
Dinadayalane T. C. 8347
Dinjus E. 1885
Dintinger T. 8705
Dirk S. M. 287
Dirk S. M. 2497
Dirk S. M. 8555
d'Ischia M. 2215
Dixneuf P. H. 9425
Dixon D. J. 6955
Djahaniani H. 9409
Dneprovskaia E. 8975
Do L.-M. 2773
Do P. 2441
Dobhal M. P. 10059
Dobis S. 5323
Dodd R. H. 1009
Doddi G. 3455
Doddi G. 9971
Dodziuk H. 2561
Dodziuk H. 10013
Doe M. 8027
Dohle W. 1571
Dolain C. 8365
Dolgonos G. 2561
Dolgonos G. 10013
Dolhem F. 155
Dolling U. H. 6363
Dolly 9161
Dolphin D. 871
Dolušić E. 395
Domingo L. R. 677
Domingo L. R. 3117
Domingo L. R. 6233
Domingo L. R. 9167
Domínguez E. 7103
Domínguez M. M. 1989
Dommisse R. A. 5919
Dondas H. A. 8481
Dondas H. A. 9997
Dondi D. 947
Dondi D. 6409
Dondoni A. 4261
Dönnecke D. 8499
Döpp D. 5073
Döpp D. 5887
Doris E. 9701
Dormán G. 655
Dörnyei G. 4281

Dorta E. 2059
Dorta E. 4805
Doskocz J. 4761
Douelle F. 3427
Dougherty J. M. 8901
Doumoto A. 5635
Drašar P. 4069
Draffin S. P. 9075
Dratch S. 4287
Drew M. G. B. 4827
Drew M. G. B. 5175
Drochioiu G. 111
Du D.-M. 1933
Du W. 8649
Dubé L. 2781
Dubest R. 2567
Dubey S. 5411
Dubost E. 6503
Duchêne A. 4433
Ducki S. 8803
Duclairoir F. M. A. 3341
Dudič M. 2409
Duggan P. J. 9075
Duggan S. A. M. 9075
Dukh M. 4069
Dumbris S. 8275
Dumouchel S. 8629
Duñach E. 1823
Dunmur D. A. 4377
Dunne A. M. 6545
Dupas G. 4911
Dupas G. 8049
Dupas G. 9583
Durán-Patrón R. 6267
Durand T. 2485
Dutasta J.-P. 5849
Duval O. 5091
Dvořáková H. 607
Dvořáková H. 7581
Dyagileva M. V. 1753
Dybowski P. 6057
Dykes G. M. 3999
Džambaski Z. 7803
Ebel H. 123
Ebizuka Y. 8793
Edwards A. J. 8731
Edwards C. W. 5823
Edwards C. W. 6473
Eggert U. 6967
Eguchi T. 6035
Eilbracht P. 8265
Einsiedel J. 3403
Eipert M. 7949
Ek F. 6759
Eklund P. C. 4515
El Gaïed M. M. 1369
Elassar A.-Z. A. 2749
Elassar A.-Z. A. 8463
El-Dusouqui O. M. E. 9455
Elemans J. A. A. W. 175
Elguero J. 555
El-Khair A. A. 8463
Ellames G. J. 3349
Ellern A. 5773
Ellis T. K. 7301
Emeliyanova Y. M. 7491
Emmi S. S. 8353
Endo A. 7023
Endo T. 1137
Engelhardt F. C. 5623
Engqvist R. 1033
Engqvist R. 9649
Enikeev K. M. 1469
Enomoto Y. 3527
Entrena A. 5457
Entrena A. 8017
Er M. 3481
Erba E. 1667
Ercolani G. 613
Erickson K. L. 10231
Errington W. 5595
Eskandari M. M. 8509
Esmaeili A. A. 5545
Esmaili A. A. 1169
Esmaili A. A. 4785
Espinosa A. 5457
Espinosa A. 8017
Estévez J. C. 6285
Estévez J. C. 7231
Estévez J. C. 8057
Estévez R. J. 6285
Estévez R. J. 7231
Estévez R. J. 8057
Esumi S. 10445
Etminan N. 4993
Ettorre A. 1309
Eustache J. 7365
Evans D. H. 7491
Evans K. A. 2223
Evans P. 7973
Ewing D. F. 941
Fabbri D. 2131
Faber K. 9517
Fabis F. 10051
Fabrizi G. 4661
Fagnoni M. 947
Fagnoni M. 6409
Faigl F. 7897
Fairlamb A. H. 2289
Fairley B. 5407
Falchi E. 9091
Fan L. 4843
Fan Q. 4843
Fan Q.-H. 8603
Fan X. 1917
Fang H. 3779
Fantetti L. 10025
Fares V. 9971
Fargeau-Bellassoued M.-C. 6333
Farokhi S. A. 7595
Farrand L. D. 4377
Farrell J. R. 2463
Fattorusso C. 87
Fattuoni C. 2893
Fattuoni C. 4383
Faul M. M. 7215
Favaretto L. 5083
Favero L. 1453
Favier I. 1823
Favre-Réguillon A. 10313
Fazio A. 6251
Feng C. 8227
Feng X. 5667
Ferguson A. C. 8233
Fernández S. 5449
Fernández-Bolaños J. G. 2801
Fernández-Gadea J. 6569
Fernandez-Lafuente R. 5705
Fernandez-Lorente G. 5705
Fernández-Mateos A. 241
Ferrández J. V. 2083
Ferraz H. M. C. 5817
Ferreira D. 1501
Ferreira I. C. F. R. 975
Ferreira I. C. F. R. 3737
Ferreira V. F. 1349
Ferrer S. 3437
Ferrer S. 3445
Ferrero M. 5449
Ferroni F. 10025
Fettinger J. C. 1961
Filippov D. V. 1589
Fillon H. 8199
Findeisen M. 5295
Fiorentino A. 2317
Fiorentino A. 4821
Fiorini D. 1143
Fiorini D. 3603
Fiorini I. 87
Fischer M. 9441
Fischer P. 3769
Fišera L. 3333
Fishwick C. W. G. 4451
Fishwick C. W. G. 9997
Fitjer L. 4443
Flatt A. K. 8555
Fleisher M. 7603
Fleming F. F. 737
Fleming F. F. 5585
Flippen-Anderson J. L. 4603
Floriano P. N. 10089
Florio S. 1381
Florio S. 9707
Florio S. 9713
Flowers R. A., II 10397
Fokin V. V. 4857
Fong H. H. S. 37
Fong H. H. S. 141
Font-Bardia M. 1227
Font-Bardia M. 4143

Fontecave M. 7315
Ford E. J. 2471
Foubelo F. 2083
Foubelo F. 6147
Fraga-Dubreuil J. 6121
Fragoso-Vázquez M. J. 2843
Franchi E. 5003
Franck R. W. 4249
Frandsen E. 10255
Franke U. 7887
Frankowski A. 6503
Franssen M. C. R. 409
Franzén R. 5395
Frédérick R. 4557
Freer B. W. 7385
Frejd T. 6759
Frère S. 773
Frey H. 4017
Frey L. F. 6363
Frey W. 3769
Friedrichsen W. 1059
Friese J. C. 7067
Friestad G. K. 6393
Frimer A. A. 8153
Fröhlich R. F. G. 5469
Fromont J. 1137
Frongia A. 9433
Fu B. 1933
Fuchs P. L. 7177
Fudesaka M. 8393
Fuji K. 965
Fuji K. 3195
Fujimoto T. 9811
Fujimoto T. T. 2223
Fujishima Y. 1901
Fujita S. 2673
Fujita S. 4533
Fukaya H. 7779
Fukuda A. 9305
Fukuda Y. 9803
Fukuhara H. 4351
Fukushima S. 5337
Fukuyama T. 8571
Fukuzawa S. 10445
Fukuzumi S. 10059
Fülöp F. 1951
Fülöp F. 2877
Fülöp F. 9117
Fumoto Y. 601
Funaki T. 8183
Funicello M. 7515
Fürstner A. 6899
Furuike T. 5105
Furukawa K. 1895
Furuno H. 877
Furuno H. 10509
Furuta H. 9767
Gabas N. 555
Gabriele B. 6251
Gács-Baitz E. 4297
Gafarova I. T. 851
Gajda T. 10249
Gajewiak J. 10009
Galano J.-M. 9719
Gallardo H. 10187
Gallo M. Á. 5457
Gallo M. Á. 8017
Ganesh T. 9979
Ganesh Babu K. 9111
Ganguly B. 1763
Gao H. 6603
García A. B. 9523
García N. 685
García Fraile A. 1565
García-López M. T. 4491
García-Segura R. 2913
García-Verdugo E. 1797
Gareth Jones E. B. 4907
Garland M. T. 1009
Gascón-López M. 9349
Gates P. J. 7907
Gáti T. 3729
Gaukhman A. 7603
Gauthier C. 2231
Gautier A. 8989
Gavagnin M. 5579
Gawronski J. 9323
Geer A. 4249
Gefflaut T. 6109
Gelmi M. L. 4615
Gelmi M. L. 9399
Gemma S. 87
Gennari C. 8803
George C. 6087
Geraci L. S. 6819
Gerbaud V. 555
Gerez C. 7315
Gerke R. 4443
Germeroth L. 9919
Gerus I. I. 1731
Gessier F. 6503
Ghelfi F. 1147
Ghelfi F. 6221
Ghelfi F. 9951
Ghereghloo M. 4785
Ghini A. 1009
Ghosez L. 6797
Ghosh M. 7251
Ghosh S. 5175
Ghosh S. 7251
Ghosh S. K. 2151
Ghoshal N. 4623
Giacomelli G. 5437
Giannini C. 6481
Giannini C. 7733
Gibson J. S. 3349
Gigli G. 5083
Gil J. H. 5515
Gil J. H. 7111
Gil S. 6233
Giles R. G. F. 3175
Gill C. D. 9213
Gill N. K. 7565
Gille L. 2687
Gillmore A. 4363
Giménez-Saiz C. 9523
Giorgi G. 7587
Gizaw Y. 9413
Glaçon V. 941
Glavaš-Obrovac L. 4047
Gmeiner P. 3403
Gnanadesikan V. 10485
Goel A. 7141
Gogonas E. P. 7929
Golubev A. S. 1389
Gomaa M. A.-M. 5887
Gomes J. R. B. 7473
Gomes P. 2999
Gomes P. 7473
Gómez C. 1909
Gómez C. 5183
Gómez E. 4143
Gómez I. 3219
Gomez-Paloma L. 9555
Gomez-Paloma L. 10203
Gomis J. 4967
Gong H. 3183
González M. A. 6455
González-Gómez J. C. 8171
González-López de Turiso F. 6979
Gonzalez-Lucas A. 1989
González-Moa M. J. 4901
González-Nogal A. M. 5855
Gopinath T. 6521
Gordillo B. 671
Gore V. K. 1083
Gorey-Feret L. J. 2259
Gorgues A. 5773
Gorka M. 3845
Gorman C. B. 3853
Gosmini C. 2999
Gosmini C. 8199
Gotor V. 5449
Gottlieb H. E. 2641
Gounaridis P. 4591
Gounaridis P. 8641
Goundry W. R. F. 1719
Govaerts T. C. 5481
Gowans N. D. 10165
Grabarczyk M. 6595
Grabchev I. 9591
Grabowski E. J. J. 6363
Grach-Pogrebinsky O. 8329
Graeber J. K. 8855
Graening T. 1059
Graham A. 10059
Gran U. 4303
Grandclaudon P. 6615
Grande M. 241
Grandi R. 1147

Grant D. M. 2471
Gravier-Pelletier C. 8705
Gravier-Pelletier C. 8721
Gray C. A. 165
Grée D. 8833
Grée R. 8833
Green I. R. 3175
Greenhalgh D. A. 9213
Greenwood E. S. 3307
Greeves N. 10453
Greiner I. 5661
Grela K. 4525
Griengl H. 5469
Grigg R. 4451
Grigg R. 8481
Grigg R. 9997
Grison C. 2101
Griswold K. S. 8869
Grobelny Z. 2147
Gronemeyer M. A. 8963
Gross R. A. 1333
Gross R. A. 10269
Grossmann G. 3237
Groza N. V. 8091
Grutsch J. L. 2667
Grutsch J. L. 7215
Gruttadauria M. 2241
Gruttadauria M. 4997
Gryshuk A. L. 10059
Guarna A. 5251
Gubaidullin A. T. 1469
Gubaidullin A. T. 1781
Gudipati V. 5585
Gudmundsson K. S. 9001
Guella G. 8757
Guérin D. 5273
Guerrero M. A. 4953
Guerro M. 5273
Guglielmetti R. 2567
Guglielmetti R. 7725
Guichou J.-F. 5241
Guijarro D. 1237
Guilet D. 5091
Guillarme S. 2177
Guillarme S. 9635
Guillaumet G. 3665
Guillaumet G. 9627
Guintchin B. 7527
Guionneau P. 8365
Guisan J. M. 5705
Gulden K.-P. 1245
Gulevskaya A. V. 7669
Gulhane R. 7661
Gumina G. 6423
Gundersen L.-L. 115
Günes M. 8799
Guo D. 4209
Guo H. 4209
Guo H. 7615
Guo J.-C. 1209
Guo X. 4843
Gupta I. 6131
Gupta M. N. 5431
Gupta S. C. 3609
Gupta S. C. 5027
Gupton J. T. 207
Gurcha S. S. 10239
Gurjar M. K. 95
Gusarova N. K. 4789
Gustafson K. R. 10231
Guy A. 2485
Guyot M. 6539
Habib Q. 2297
Habicher W. D. 1753
Hadad C. M. 3917
Haddleton D. M. 5823
Hadjiarapoglou L. P. 7929
Hagberg L. 9583
Hagiwara T. 517
Haigh R. 7389
Hajós G. 851
Hajós G. 5919
Hajós G. 7485
Hajra A. 813
Hajra A. 2417
Hall A. 7389
Halldorsson A. 9101
Hallman K. 9583
Hamad Elgazwy A.-S. S. 7445
Hamada T. 10439
Hamelin J. 3323
Hampe E. M. 9619
Han F. 7703
Han S.-Y. 2921
Hanamoto T. 10509
Handel H. 4573
Hanessian S. 983
Hanessian S. 995
Hanessian S. 7047
Hannam J. S. 6979
Hansen M. M. 2667
Hansen T. V. 3461
Hanson J. R. 6267
Hanson P. R. 8901
Hao E.-H. 55
Hara H. 4945
Harada M. 517
Haraldsson G. G. 9101
Harato N. 10499
Harayama S. 1895
Harayama T. 1639
Hari Y. 5123
Harju K. 567
Harkness A. R. 2667
Harmata M. 2371
Harper J. K. 2471
Harran P. G. 8947
Harran S. 8947
Harris J. M. 4939
Harris L. D. 7389
Hartung I. V. 6967
Harwood L. M. 3975
Harwood L. M. 4827
Hase T. 567
Hasegawa H. 827
Hashimoto K. 6609
Hashimoto M. 3019
Hashimoto M. 3041
Hashimoto M. 3063
Hashimoto M. 3089
Hashimoto S. 7307
Hashimoto Y. 7871
Hassan A. A. 5073
Hassani Z. 4993
Haswell S. J. 10173
Hata T. 4945
Hata T. 9811
Hatakeyama S. 10287
Hatanaka M. 2673
Hatano T. 3537
Hatcher S. A. 3917
Hattori M. 2673
Haustedt L. O. 6967
Hauze D. B. 6933
Hayakawa Y. 6465
Hayallah A. M. 47
Hayano T. 10509
Hayashi H. 9767
Hayashi M. 7703
Hayat S. 5549
Hayes W. 2025
Hayes W. 3975
Hayes W. 7983
Hazarkhani H. 4757
He H. T. 2861
He W. 5905
He X. 6603
Hearn B. R. 8775
Heffron T. P. 8913
Hefti E. V. 6433
Heider E. M. 2471
Heikkilä J. 567
Heine N. 9919
Heinrich M. R. 9231
Heinrich M. R. 9239
Hekking K. F. W. 6751
Helesbeux J.-J. 5091
Hélion F. 10551
Heller E. 781
Helliwell M. 3863
Helmboldt H. 4031
Helton E. S. 8775
Henderson D. 9083
Henderson J. C. 8555
Hengge A. C. 595
Hénin F. 9641
Hennig L. 1389
Hennig L. 5295
Henry C. A. 207
Henry O. 2485

Herbert J. M. 3349
Herdeis C. 217
Hernández F. A. 685
Hernández-Galán R. 6267
Herndon J. W. 5609
Herranz R. 4491
Herrera A. 7331
Herrero M. T. 7103
Herrero S. 4491
Herrman A. 3925
Heydenreich M. 1951
Heydenreich M. 6311
Heynderickx A. 6375
Hibbs D. E. 7389
Hiersemann M. 4031
Higashi N. 4011
Higashino M. 6647
Higashiya S. 10031
Higashizaki T. 4011
Hill R. K. 4857
Hilmersson G. 10397
Himanshu 10269
Himl M. 7581
Hirai M. 3227
Hirama M. 5645
Hirao T. 10147
Hirasawa Y. 3567
Hirata A. 6465
Hirata T. 731
Hirsch A. 3899
Hirschmann R. 6991
Hitchcock P. B. 3307
Hitotsuyanagi Y. 7779
Hitotsuyanagi Y. 9985
Hiyama T. 9811
Ho P. 9961
Hoang V. D. 141
Hobley G. 4739
Hocek M. 607
Hocke H. 619
Hodgson D. M. 9719
Hodgson D. M. 9729
Hoffman B. M. 9083
Hoffmann H. M. R. 6967
Högenauer K. 10075
Höger S. 9441
Hohlneicher G. 1657
Høj B. 10541
Hojo H. 4059
Hojo H. 8415
Holčapek M. 1283
Holčapek M. 5279
Holler M. 9793
Holman R. W. 8275
Holmeide A. K. 7157
Holý P. 7751
Holzgrabe U. 781
Holzgrabe U. 8697
Hon Y.-S. 493
Hon Y.-S. 1509
Honda M. 8203
Hong J. H. 6103
Hong Z. 2297
Hooper A. M. 7131
Hoornaert G. J. 1483
Hoornaert G. J. 4721
Hoornaert G. J. 5047
Hoornaert G. J. 5481
Höpfl H. 4077
Horasan N. 3691
Hori K. 6301
Horiguchi M. 7323
Horiguchi T. 267
Horiguchi T. 1529
Horinouchi S. 1895
Hortala L. 9583
Hossaini Z. 1289
Hosseini Sarvari M. 3627
Hou Z. 10525
How S.-E. 3945
Howie R. A. 7385
Hsieh C.-H. 1509
Hsu H.-Y. 1477
Hsu T.-R. 1509
Hsung R. P. 311
Hu J. 249
Hu K. 6603
Hu Z. 7887
Hua C. 8551
Hua D. H. 4795
Hua W.-T. 1933
Huang A. N. 1539
Huang B. 3799
Huang C.-W. 3635
Huang G. 2007
Huang G. 6851
Huang J. 2297
Huang K.-S. 4405
Huang Q. 2899
Huang S.-T. 1277
Huang W. 2555
Huang X. 4795
Huang X. 4851
Huang Y. 7879
Huang Z.-T. 2539
Hubbard R. D. 8143
Hubert C. 3127
Huc I. 8365
Huerta F. F. 8525
Huet F. 2177
Huet F. 3127
Huet F. 9635
Humphreys J. L. 4827
Hundal M. S. 5027
Hung N. V. 141
Hupe E. 9187
Hussein T. A. 3729
Huszthy P. 9371
Huther N. 6221
Hwang M.-H. 4979
Hwang S.-H. 3955
Hyodo M. 6465
Ibrahim M. R. 7273
Ibrahim Y. A. 5425
Ibrahim Y. A. 7273
Ibrahim Y. A. 8489
Ibrahim Y. A. 9455
Ichinose K. 8793
Idini M. V. 7961
Iguchi K. 1895
Iida A. 5337
Iida D. 6739
Iinuma M. 1255
Iinuma M. 5347
Ikeda A. 3537
Ikeda S. 3527
Ikegami S. 731
Ikemoto N. 1317
Ikuma Y. 10287
Ila H. 2631
Ilangovan A. 95
Iliya I. 5347
Illescas B. 9179
Illescas B. M. 6569
Imabeppu F. 2325
Imamoto T. 10419
Imanishi T. 4867
Imanishi T. 4873
Imanishi T. 5123
Imhof W. 8499
Inaba U. 3745
Inanaga J. 877
Inanaga J. 10509
Incze M. 4281
Ingrosso G. 5003
Inokuma S. 8183
Inoue K. 601
Inoue M. 5645
Inoue M. 8763
Inoue T. 3417
Inoue Y. 4351
Inoue Y. 7871
Ireland C. M. 2855
Irie M. 8359
Isaacs L. 1961
Isaji Y. 61
Isaka M. 1015
Ishibashi M. 3433
Ishihara J. 10287
Ishihara T. 7571
Ishii K. 3417
Ishikawa S. 10439
Isidori M. 4821
Islam M. N. 10593
Islami M. R. 4785
Islami M. R. 4993
Ismail A. E.-H. A. A. 1749
Isobe M. 6851
Isobe M. 9609
Istratov V. 4017

Itaya H. 9743
Ito S. 4651
Ito S. 8191
Ito T. 525
Ito T. 1255
Ito T. 5347
Ito Y. 7323
Itoh T. 3527
Itoh T. 8793
Itou T. 3417
Ivanov I. V. 8091
Ivanova G. 9591
Iwagawa T. 8027
Iwagawa T. 10159
Iwaki H. 4867
Iwaki H. 4873
Iwamoto H. 4135
Iwamoto K. 2651
Iwamoto K. 3253
Iwasaki K. 8763
Iwasaki S. 5307
Iyer S. S. 631
Iyigün Ç. 7135
Izumi T. 6353
Izzo I. 1711
Jackson G. 8275
Jackson T. 4673
Jackson T. 4687
Jacobs R. S. 4215
Jacobson A. E. 4603
Jadhav H. S. 1873
Jagerovic N. 555
Jagodziński T. S. 4183
Jahed N. M. 3175
Jain D. C. 2871
Jamison T. F. 8913
Jana U. 813
Jang Y.-J. 4979
Jankowski S. 6503
Jansen B. J. M. 4287
Jaouen G. 2169
Jarry C. 3665
Jaspars M. 4153
Jaspars M. 6403
Jass P. A. 9019
Jayaprakasam B. 841
Jayaprakash S. 6637
Jenkins R. L. 7389
Jensen C. M. 10541
Jensen F. 10255
Jeon I. 8975
Jereb M. 5935
Jia X. 9379
Jiang H. 8365
Jiang J.-K. 1181
Jiang T. 737
Jiang X.-K. 3505
Jiang X.-K. 4881
Jiang Y. 3499
Jiang Y. 5667
Jiang Y.-L. 3409
Jiao G.-S. 3109
Jiao H. 1657
Jiao L.-J. 55
Jiménez-Osés G. 5713
Jiménez-Vázquez H. A. 481
Jimeno M. L. 555
Jin G. 2899
Jin G. 4389
Jin L.-W. 4795
Jin X. L. 877
Jin Y. Z. 877
Jin Y. Z. 10509
Jiricek J. 6545
Jitchati R. 9825
Johansson L. B.-Å. 3109
Johns B. A. 9001
Johnson D. D. 8129
Johnston J. N. 8877
Jokela R. 8589
Jolivet B. 3237
Jolliffe K. A. 6979
Jones C. L. 7389
Jones P. C. 8775
Jones P. G. 6213
Jones S. 9039
Jones S. W. 10165
Jorge A. 2333
Joseph B. 6659
Joseph B. 9627
Joseph-Nathan P. 959
Joseph-Nathan P. 2843
Joshi B. S. 663
Joshi B. S. 2871
Joshi P. 2207
Joshi S. N. 2309
Joullié M. M. 6933
Joussef A. C. 10187
Jousse-Karinthi C. 2093
Juaristi E. 4223
Judd D. B. 5417
Judeh Z. M. A. 461
Juillerat M.-A. 6109
Julienne K. 8543
Jun J. H. 8901
Jung D. K. 9001
Jung M. E. 2729
Jung Y. J. 10331
Junjappa H. 2631
Junquera A. P. 6213
Jurczak J. 3333
Jurczak J. 4775
Jursic B. S. 3427
Kaanumalle L. S. 5763
Kaboudin B. 767
Kabuto C. 4651
Kacharov A. D. 1731
Kadish K. M. 10059
Kaewpet M. 9825
Kaga D. 1699
Kagan H. B. 10351
Kagawa T. 10509
Kainuma H. 2831
Kaiser F. 3201
Kaiser F. 7345
Kaiwar S. P. 2207
Kajizuka Y. 827
Kajtár-Peredy M. 4281
Kajtár-Peredy M. 5661
Kakehi A. 4113
Kakehi A. 4581
Kakehi A. 9537
Kakei H. 10485
Kakeya H. 8931
Kakinuma K. 6035
Kakuta D. 7779
Kalaus G. 5661
Kale R. R. 2737
Kalinin S. 3109
Kallatsa O. A. 6947
Kalra N. 1333
Kaltia S. 567
Kałuża Z. 5893
Kambara T. 10509
Kamboj R. C. 3609
Kamei M. 7939
Kamide Y. 4327
Kamila S. 1339
Kamila S. 4767
Kamimura A. 6291
Kamimura A. 9537
Kamimura A. 9931
Kamiya I. 3521
Kamiya I. 6559
Kammler R. 3359
Kan L. 1981
Kanagalatha R. 5365
Kanda M. 7571
Kane J. M. 2953
Kanters R. P. F. 207
Kapoor M. 5027
Kar A. 2991
Kar A. 6489
Kara Y. 2063
Kara Y. 3691
Karimi B. 4757
Karisalmi K. 1421
Karolczak W. 6075
Karunakara V. 3761
Kasatkin A. 9857
Kashman Y. 6493
Kashman Y. 9239
Katagiri T. 9839
Katajisto J. 5137
Kato E. 5909
Kato K. 2679
Kato Y. 1699
Kato Y. 3745
Katoh T. 8763
Katsumura S. 4945

Kaupp G. 3753
Kautz H. 4017
Kawabata H. 6609
Kawabata T. 965
Kawaguchi K. 255
Kawahara F. 9537
Kawai R. 6465
Kawai Y. 4857
Kawakami J. 3521
Kawakami J. 6559
Kawakami S. 965
Kawanami Y. 8411
Kawanishi T. 4351
Kawasaki A. M. 7413
Kawasaki T. 4533
Kawashima T. 9599
Kawate T. 9839
Kayali N. 9179
Kazaz C. 3643
Kazimierski A. 5893
Keding S. J. 7023
Keller M. 5241
Keller P. A. 8741
Kelm B. 217
Kempen I. 4557
Kendall J. T. 9849
Kerr R. G. 4215
Kerr W. J. 3349
Khambay B. P. S. 7131
Khan K. M. 5549
Khan M. A. 7301
Kharul R. K. 2737
Khobragade D. A. 2737
Khodorkovsky V. 5773
Khrimian A. 5475
Kiho T. 1685
Kikelj D. 7123
Kikuchi J. 3537
Kilner C. 8481
Kim B. T. 7997
Kim D. J. 2457
Kim E. 3821
Kim G. H. 2773
Kim I. 7935
Kim I. H. 9985
Kim J. H. 7501
Kim J. M. 385
Kim J. M. 3881
Kim J. N. 385
Kim J. S. 2403
Kim M. 4525
Kim M. 10397
Kim N. 3853
Kim S. H. 2773
Kim S. H. 6873
Kim T.-J. 7997
Kim Y.-A. 2921
Kim Y. H. 2921
Kim Y.-K. 4017
Kimachi T. 9305
Kimura K. 4135
Kimura M. 7767
Kimura S. 7423
Kimura T. 7057
Kimura T. 7423
King A. S. H. 3873
Kingston D. G. I. 9979
Kinnaird D. 10239
Kinoshita M. 8689
Kinsel G. R. 5837
Kirchhoff J. H. 885
Kirihata M. 3745
Kirkland T. A. 6819
Kirsch G. 975
Kirsch G. 1557
Kirsch G. 3737
Kirsch G. 4891
Kisanga P. 561
Kisanga P. B. 7819
Kita Y. 77
Kitada T. 7323
Kitahara T. 1773
Kitahara T. 9447
Kitahara Y. 2885
Kitamura Y. 10403
Kitano H. 2673
Kitayama T. 4857
Kiyota H. 1529
Kjaergaard H. G. 6113
Klajn R. 4525
Klásek A. 1283
Klásek A. 5279
Klein S. 9793
Klein Gebbink R. J. M. 3989
Kleinert M. 6967
Kleinpeter E. 1951
Kleinpeter E. 6311
Klemm D. 1359
Klimash J. W. 3799
Klinowski J. 7907
Klok H.-A. 3925
Klose J. R. 10231
Kneeteman M. N. 4085
Knettle B. W. 10397
Knight J. G. 281
Knochel P. 1571
Knochel P. 9187
Knölker H.-J. 5317
Knöpfel T. F. 6813
Knör S. 123
Kobatake S. 8359
Kobayakawa H. 10223
Kobayashi H. 455
Kobayashi J. 1137
Kobayashi J. 1613
Kobayashi J. 3227
Kobayashi J. 3567
Kobayashi J. 3575
Kobayashi J. 5307
Kobayashi N. 8411
Kobayashi S. 1547
Kobayashi S. 9743
Kobayashi S. 10439
Kobayashi Y. 9305
Köbberling J. 885
Kobierski M. E. 7215
Koch A. 1951
Kodama S. 8393
Kogen H. 1685
Koike K. 6019
Koike K. 8399
Kojima N. 8415
Kojima S. 255
Kolanoś R. 5531
Kolchinski A. G. 231
Kolodiazhnyi O. I. 5953
Kolomiets A. F. 1389
Komatsu K. 55
Komatsu K. 3227
Komatsu M. 197
Komeyama K. 10381
Komiyama M. 10403
Kon N. 427
Kondo S. 8183
Kong F. 1429
König W. A. 409
Konishi T. 3537
Konno T. 7571
Konovalov A. I. 1469
Kónya D. 7485
Kopach M. E. 7215
Koprowski M. 8219
Koradin C. 1571
Kořistek K. 1283
Kořistek K. 5279
Kornienko A. 995
Kosemura S. 5055
Koshino H. 4539
Kosjek B. 9517
Koskinen A. 5395
Koskinen A. M. P. 1421
Koskinen A. M. P. 6947
Kosma P. 2687
Kosma P. 3231
Kosma P. 8177
Kostas I. D. 3467
Kotschy A. 7485
Kotschy A. 7509
Kouadio T. N. 8775
Koul S. 3487
Kouno I. 7939
Kouznetsov V. 419
Kövesdi I. 655
Kowalczyk M. 4415
Kozyrev A. N. 499
Král V. 4069
Krasodomski W. 5677
Kraus G. A. 7935
Kraus G. A. 8975
Kraus J. 7791

Kraus W. 9991
Krause M. J. 7565
Krawczyk H. 9199
Kreiter R. 3989
Krieger C. 7887
Kriek N. M. A. J. 1589
Krizmanić I. 4047
Kroulík J. 4069
Kroutil W. 9517
Krüger C. 5073
Krumrich C. A. 7215
Kryatova O. P. 231
Krygowski T. M. 1657
Kual K. 5425
Kubánová Z. 3333
Kubo A. 2885
Kubo T. 8191
Kubota A. 1627
Kubota T. 1613
Kuckling D. 7791
Kudo K. 10593
Kudzin Z. H. 7681
Kuhn H. 8091
Kukhar V. P. 1731
Kulinkovich O. G. 5265
Kulshrestha M. 10239
Kumar A. 5019
Kumar J. 1333
Kumar M. 3267
Kumar R. 1333
Kumar S. 7481
Kumarasamy Y. 6403
Kumaresan D. 2353
Kundu A. P. 4623
Kungl A. J. 1403
Kunugi A. 8011
Kuo H.-S. 1277
Kuo Y.-H. 7337
Kuo Y.-L. 1477
Kuramochi K. 9447
Kuramochi K. 9743
Kurihara K. 537
Kurihara R. 3417
Kurita J. 4959
Kurniadi T. H. 6109
Kuroda C. 3157
Kuroda S. 795
Kuroda S. 801
Kuroda S. 2831
Kurono M. 9609
Kusano T. 767
Kuwabara H. 4113
Kwit M. 9323
Kwon H. J. 9333
Kwong F. Y. 10295
Kyogoku M. 801
Laatikainen R. 377
Lacabanne C. 3965
Laderas M. 2333
Lafuente A. 1021
Lagoda I. V. 1939
Lagona J. 1961
Lai C. W. 10295
Lai H. 1763
Lamartina L. 7189
LaMastus R. 8275
Lambert D. M. 1301
Lamers Y. M. A. W. 7743
Lamers Y. M. A. W. 9361
Lancelot J.-C. 10043
Lancelot J.-C. 10051
Land E. J. 9547
Landais Y. 8543
Landee C. P. 6027
Lang J. 7581
Lang K. 2409
Lang P. 7315
Lannou M.-I. 10551
Lanza C. Z. 7189
Lardy H. A. 2273
Lartigue C. 5869
Lattmann E. 1925
Latypov S. K. 1469
Lauchli R. 149
Lauret C. 4363
Laureyn I. 1147
Lavandera I. 5449
Law K.-L. 10465
Lázár L. 1951
Lázár L. 2877
Lázár L. 9117
Lazar S. 3665
Le Baccon M. 4573
Le Bideau F. 2169
Le Foulon F.-X. 10051
Le Gall E. 7497
Le Merrer Y. 2693
Le Merrer Y. 8705
Le Merrer Y. 8721
Le Nôtre J. 9425
Le Roy I. 3719
Leadbeater N. E. 2253
Lebreton S. 3945
Lebreton S. 10213
Leclaire J. 3965
Lecomte V. 2169
Léder L. 5661
Lee A. H. F. 833
Lee G.-A. 1539
Lee H. 2773
Lee H. B. 3109
Lee H. K. 6445
Lee J. 2773
Lee J. H. 2403
Lee J.-I. 2773
Lee J. J. 7651
Lee K. Y. 385
Lee S. 2397
Lee S.-H. 7409
Lee S. W. 2403
Lee V. 1719
Lee Y. R. 9333
Lee Y.-S. 7409
Leeming P. 341
Leffray M. 7973
Leger J. M. 3665
Léger J.-M. 8365
Legoupy S. 2177
Legoupy S. 9635
Lehmann C. W. 5073
Lei F. 7609
Leighton J. L. 8889
Lemaire M. 10313
Lemière G. L. F. 5919
Len C. 941
Leonard M. S. 6933
Leonardi J. 3341
Léonel E. 1073
Leriche P. 5773
Leroy B. 8989
Lesage D. 5209
Lesnik E. A. 7413
Leszczynski J. 2561
Leszczynski J. 10013
Leung Y. C. 2159
Levacher V. 4911
Levacher V. 8049
Levacher V. 9583
Lewandowski K. 5893
Lewis A. K. de K. 5417
Lewis M. A. 5377
Ley S. V. 6955
Lhommet G. 6333
Lhoták P. 2409
Lhoták P. 7581
Lhote P. 5241
Li A. 5737
Li B. 8227
Li C.-Q. 1181
Li D. Y. 2297
Li G. 3779
Li H. 6873
Li J. 473
Li J. 6603
Li M. 5837
Li Q. 3853
Li S. 3499
Li S.-H. 37
Li T. 833
Li X.-C. 1501
Li X.-M. 4405
Li Y. 5667
Li Z. 3853
Li Z. 7967
Li Z.-T. 3505
Li Z.-T. 4881
Liagre M. 865
Liang J.-H. 3409
Liang J.-K. 1209
Liao C.-C. 4039

Liao Y. 1877
Liao Y.-J. 3511
Libertini E. 1147
Licandro E. 6481
Licandro E. 7733
Lièvre C. 155
Likhtenshtein G. I. 2939
Lim H. J. 7501
Lin C.-T. 1493
Lin J.-R. 1781
Lin M. 4405
Lin S.-Y. 6341
Lin W.-W. 4979
Lin X. 7033
Lin Y. 4907
Lin Y.-H. 1509
Lin Y.-H. 1539
Lin Y.-L. 1277
Linders J. T. M. 4603
Lindhorst T. K. 3895
Lindsey J. S. 1191
Lindström U. M. 1293
Ling G. 8251
Linker T. 6311
Liotta L. F. 4997
Lippard S. J. 2463
Lipsonen J. 377
Lithgow A. M. 2333
Litvić M. 2435
Liu B. 3379
Liu B. 8515
Liu C.-H. 5743
Liu C.-Y. 6341
Liu G.-H. 8603
Liu H. 6087
Liu H.-J. 1209
Liu J. 1317
Liu J.-T. 4979
Liu J.-Y. 5743
Liu L. 7609
Liu X. 9669
Liu X. 9811
Liu Y. 7967
Liu Y. 8257
Liu Y. 8429
Livshitz J. 9019
Lo Meo P. 2241
Loewe R. S. 1191
Loiseau F. 9641
Lokshin V. 7725
Long T. E. 9147
Longbottom D. A. 6955
Longeon A. 6539
Longo R. L. 10187
Lönnberg H. 5137
López B. 5515
López B. 7111
López Ó. 2801
López-Alvarado P. 2821
Lopin C. 2231
Lorcy D. 5273
Lorenzo E. 5199
Loudet A. 3109
Loupy A. 865
Loupy A. 2185
Lourenço N. M. T. 789
Lowes D. J. 4827
Loyola A. 4805
Lu S. 8251
Lu Y.-H. 8827
Lubell W. D. 2581
Luboch E. 4415
Łuczyński M. K. 5677
Luger P. 8399
Luić M. 4047
Luis S. V. 1797
Luisi R. 9707
Luisi R. 9713
Lukasiewicz M. 649
Luke R. W. A. 7163
Lukens J. R. 207
Lukevics E. 7603
Luo F.-T. 5193
Luo S. 8551
Luo S. 9379
Luo X.-D. 4193
Luo Y. 8227
Lutsenko S. 9583
Luxenburger A. 3297
Luxenburger A. 6045
Ly T. W. 1209
Lyčka A. 1283
Lyčka A. 5279
Lyssenko K. A. 1753
Lyutenko N. V. 1731
Ma J.-S. 10037
Ma S. 6273
Ma Y.-B. 4193
Mabon G. 5773
Mabry T. J. 3729
Maccagno M. 10195
Macedo E. 9583
Machetti F. 5251
Maciá B. 5183
Maciągiewicz I. 6057
Macías F. A. 1679
Mackenzie G. 941
Madami A. 1309
Maden A. 8955
Madsen U. 1443
Maes B. U. W. 5919
Maes W. 3937
Maestri M. 3845
Maestro M. 7231
Maezaki N. 9895
Maffei M. 8821
Maggi C. A. 1309
Magnusson C. D. 9101
Maharvi G. M. 5549
Mahata P. K. 2631
Mahdavi H. 821
Mahender G. 1049
Mahmoud A. A. A. 8489
Mahuteau J. 2093
Mai T. T. 8775
Maichle-Mössmer C. 7949
Maier M. E. 7949
Maignan J. 3315
Maiorana S. 6481
Maiorana S. 7733
Maity J. 10269
Majoral J.-P. 3965
Majumdar K. C. 2151
Majumdar K. C. 4309
Majumdar K. C. 5289
Majumdar K. C. 7251
Makino S. 5603
Mąkosza M. 1995
Mąkosza M. 6261
Malacria M. 9759
Malagón C. I. 1763
Malancona S. 1673
Małecka M. 7681
Malhas R. N. 7273
Mal'kina A. G. 4789
Mamaeva E. A. 7521
Mamedov V. A. 1781
Manabe A. 5691
Manabe K. 10439
Mancini I. 8757
Mander L. N. 1105
Mandolini L. 5539
Mangalagiu G. C. 111
Mangalagiu I. I. 111
Manini P. 2215
Manitto P. 401
Mann S. 5209
Mannina L. 2067
Manoharan M. 7413
Mans D. M. 6433
Manyem S. 10575
Manzoni L. 4501
Manzoni L. 6241
Manzoni L. 7623
Maraval V. 3965
Marcantonio K. M. 6363
Marcelis A. T. M. 5039
Marchal J. A. 5457
Marchal J. A. 8017
Marchand A. P. 1763
Marchand P. 1293
Marchand-Brynaert J. 4167
Marchetti F. 5003
Marco J. A. 857
Marco J. A. 4085
Marcos I. S. 685
Marcos I. S. 2333
Marcos I. S. 9173
Margaryan A. Kh. 5475
Marié J.-C. 9759

Marín D. 1679
Marinelli F. 4661
Marinić Ž. 1159
Markó I. E. 8989
Marković R. 7803
Marquet A. 5209
Marquez M. 2125
Marquez V. E. 295
Marras M. 1309
Marsh A. 5595
Marson C. M. 4377
Marson C. M. 10019
Martiáñez J. 241
Martelli G. 9577
Martens J. 1797
Martin I. K. 3873
Martín N. 6569
Martín N. 9179
Martin S. F. 6819
Martin Castro A. M. 335
Martinek T. A. 2877
Martinek T. A. 9117
Martínez A. 6415
Martinez A. A. 9425
Martínez A. G. 1565
Martínez P. 1237
Martínez R. 481
Martínez S. 1553
Martínez de Marigorta E. 2617
Martínez-Alvarez R. 6569
Martínez-Alvarez R. 7331
Martínez-Alvarez R. 9179
Martínez-Ruiz P. 1565
Martín-Villamil R. 1021
Martyres D. H. 8233
Marwah A. 2273
Marwah P. 2273
Marx M. A. 6819
Marzocco S. 10203
Masereel B. 4557
Maslennikova V. I. 1753
Maslov M. 5295
Maslov M. A. 8091
Mason J. 8035
Masuyama A. 353
Masuyama A. 525
Mateo C. 5705
Mates J. 4733
Mathers T. W. 3349
Mathew S. 10279
Matikainen J. 567
Maton W. 8705
Maton W. 8721
Matsubara Y. 9743
Matsuda A. 1699
Matsuda H. 517
Matsugi M. 77
Matsukawa S. 255
Matsumoto K. 2673
Matsumoto K. 8571
Matsumoto M. 3019
Matsumoto M. 3041
Matsumoto M. 3089
Matsumoto M. 4811
Matsumoto S. 4113
Matsumoto S. 4123
Matsumoto T. 8689
Matsumura S. 7057
Matsuo J. 6739
Matsuo Y. 7939
Matsuura K. 9537
Matsuura K. 9931
Matsuura N. 7779
Matsuya Y. 3527
Mattingly P. G. 5749
Mattingly P. G. 8129
Mátyus P. 5919
Maya F. 2497
Maya I. 2801
Mazzeo M. 5083
McCarroll A. J. 4275
McCarthy J. R. 9137
McCleskey S. C. 10089
McCort I. 2693
McCullough K. J. 353
McCullough K. J. 525
McDevitt J. T. 10089
McIver E. G. 10453
McKeever B. 2701
McKeever B. 2713
McKeown N. B. 3863
McKissic D. 87
McManis J. S. 2007
McMorran D. A. 3701
McNamara J. M. 1317
McNeill A. H. 3349
Meeuwenoord N. J. 1589
Meguro S. 455
Mehta G. 3475
Meier H. 5323
Meijer M. E. A. 2423
Meints C. 7791
Meléndez J. 5199
Meléndez R. E. 2581
Melfi P. J. 9137
Melinger J. S. 5495
Melis S. 2893
Melis S. 4383
Mella M. 947
Mel'nikova S. F. 1059
Mencarelli P. 3455
Mencarelli P. 9971
Menchi G. 5251
Menéndez J. C. 2821
Menichetti S. 2131
Menichetti S. 5523
Menon R. S. 10279
Merino P. 3581
Merino P. 4733
Meritt M. D. 8775
Merkulov R. V. 1753
Mérour J.-Y. 6659
Meseguer M. 1553
Messmer A. 4297
Messmer A. 7485
Metoki K. 10445
Meunier H. G. 9083
Meyer E. 10187
Michael J. P. 8337
Michaud D. 3323
Michelotti E. L. 2223
Michl G. 2811
Michrowska A. 4525
Miciak A. 649
Mignani S. 3719
Mihara M. 3521
Mihov G. 3925
Mikami K. 10593
Mikami S. 6627
Mikami Y. 1137
Mikami Y. 3227
Mikkelsen L. M. 10541
Mikuldaš H. 2435
Milanowski D. J. 10231
Miles T. J. 9729
Miller A. K. 8919
Miller B. L. 8143
Miller R. B. 207
Miller S. J. 8869
Miller W. D. 2667
Minakata S. 197
Minakawa N. 1699
Mincione E. 7403
Minematsu T. 505
Minezaki H. 9811
Mioskowski C. 7147
Mioskowski C. 9701
Miranda L. D. 4953
Mirkhani V. 8213
Mironov G. 7743
Misawa N. 1895
Mishra P. K. 8955
Mitchel J. C. 3873
Mitome H. 61
Mitsudera H. 9537
Mitsudera H. 9931
Miura M. 5685
Miyabe H. 1901
Miyama H. 1811
Miyama H. 4929
Miyamoto K. 10153
Miyaoka H. 61
Miyashita K. 4867
Miyashita K. 4873
Miyatake R. 801
Miyatake R. 2831
Miyaura N. 537
Miyazaki M. 3527
Mizuno T. 1327
Moberg C. 9583

Mochii M. 2885
Moeller K. D. 8515
Molander G. A. 10581
Moldvai I. 4281
Molinillo J. M. G. 1679
Molins E. 1553
Mollo E. 5579
Molteni G. 5225
Molteni G. 5259
Molteni G. 9315
Monaco P. 2317
Mondal N. B. 8399
Mondal S. S. 1339
Monde K. 5105
Mong T. K.-K. 3815
Mongelli N. 8803
Mongin F. 4973
Mongin F. 8629
Monsieurs K. 5919
Montalban A. G. 9083
Monteagudo E. 1309
Montebugnoli D. 7147
Montero J.-L. 6051
Montes A. 6267
Moorefield C. N. 3955
Mor S. 5027
Morales-Ríos M. S. 2843
Moreau E. 5869
Moreira R. 7473
Morejko-Buż B. 2147
Morelli C. F. 401
Moreno I. 7103
Moreno-Dorado F. J. 7743
Moreno-Mañas M. 1553
Morgan K. M. 3369
Mori M. 2885
Mori W. 8689
Mori Y. 9767
Morikawa H. 3195
Morin M. D. 6433
Morishita H. 4337
Morita H. 3567
Morita H. 3575
Morita H. 5307
Morita M. 4857
Morita N. 4651
Morita N. 8191
Morita R. 9537
Morita R. 9931
Morita T. 2673
Moro M. 4351
Moro P. 5705
Moro R. F. 2333
Morphy J. R. 2137
Morris G. A. 4827
Morrison A. J. 6955
Morrison B. J. 4153
Morrow A. D. 6433
Morsley D. 5823
Mortreux A. 2793
Mosquera R. A. 4901
Motevalli M. 9349
Mourabit A. A. 6539
Mourad A.-F. E. 5073
Mouri M. 801
Mouysset D. 3719
Moya C. E. 4215
Moyano E. L. 851
Muñoz-Muñiz O. 4223
Muñoz-Torrero D. 1971
Muñoz-Torrero D. 4143
Muccioli G. G. 1301
Mugishima T. 3227
Mugnoli A. 10195
Mukai R. 7767
Mukaiyama T. 6739
Mukherjee C. 1339
Mukherjee C. 4767
Mukhopadhyay P. P. 2151
Mukhopadhyay R. 4623
Müllen K. 3925
Müller C. E. 47
Mullins E. 8275
Murafuji H. 4867
Murafuji H. 4873
Murai A. 10287
Murakami E. 2651
Murakami N. 9537
Murakami T. 7555
Murano T. 9059
Murano T. 10223
Murao S. 8411
Murata J. 5347
Murata Y. 55
Muroyama S. 9059
Murphy P. V. 2259
Murray A.-M. 4557
Murray W. V. 8955
Murry J. A. 6363
Musgrave O. C. 4153
Musgrave O. C. 7385
Mustafa K.'A. 6113
Muthusamy S. 8117
Mutter M. 5241
Muzart J. 5789
Muzart J. 9641
Myagkova G. I. 8091
Myasoedov N. F. 8091
Nabeshima T. 639
Nacci V. 87
Nádor A. 7897
Nagahisa M. 6019
Nagai G. 7571
Nagai K. 4533
Naganawa H. 1255
Nagano H. 3649
Nagano H. 5909
Nagano Y. 5569
Nagaraju D. 10093
Nagashima Y. 4811
Nagata K. 3527
Nagata R. 6465
Nagata S. 9743
Nagendrappa G. 7761
Nagl I. 10567
Nagy I. 7485
Nagy T. 655
Nahar L. 6403
Nahar L. 8623
Naik R. 2207
Naimi-Jamal M. R. 3753
Nair M. G. 841
Nair V. 10279
Naito T. 1901
Nájera C. 6147
Nájera C. 9255
Nakahara Y. 4059
Nakahara Y. 8415
Nakajima M. 7307
Nakajima T. 8203
Nakajima Y. 8011
Nakamura A. 5337
Nakamura H. 1067
Nakamura M. 505
Nakamura R. 1895
Nakamura S. 7307
Nakamura Y. 8183
Nakanishi E. 5603
Nakashima K. 4581
Nakata T. 1627
Nakata T. 4539
Nakatani M. 8027
Nakatani M. 8763
Nakatani M. 10159
Nakatani N. 5337
Nakaya K. 1255
Nakaya K. 5347
Nakayama M. 1685
Nakayama Y. 10409
Nakorn N. N. 9991
Nam J. 2397
Namatame I. 4795
Nambu H. 77
Namikoshi M. 455
Namy J.-L. 10551
Nandibewoor S. T. 7595
Naoe A. 3433
Napolitano A. 2215
Napolitano A. 10203
Narayanan V. L. 95
Naruta Y. 3593
Nasini G. 5033
Nasiri F. 9409
Näther C. 1059
Nativi C. 2131
Naughton D. P. 3437
Naughton D. P. 3445
Naya S. 1811
Naya S. 3709
Naya S. 4157

Naya S. 4929
Naya S. 7291
Nayek A. 5175
Nazarski R. B. 7681
Nédélec J.-Y. 1073
Nédélec J.-Y. 7497
Nemchik A. 4315
Nemoto H. 5691
Nemoto T. 6889
Nemoto T. 10485
Neri V. 7403
Nethaji M. 8117
Neuburger M. 3237
Neuburger M. 6503
Neumann C. 6213
Nevalainen V. 7535
Neves M. G. P. M. S. 7907
Newcombe N. 10213
Newkombe G. R. 3955
Ngi T. H. 8775
Nguyen T. H. 8975
Nguyen T.-M. 8003
Nguyen Van T. 5905
Nguyen Van T. 5941
Niazimbetova Z. I. 7491
Nicaise O. J.-C. 6433
Nicholas K. M. 747
Niclós J. 5457
Nicolaou K. C. 6683
Nierengarten H. 3833
Nierengarten J.-F. 3833
Niess B. 6967
Nifantyev E. E. 1753
Niittymäki T. 5137
Nikaido T. 6019
Nikaido T. 8399
Nikitin K. V. 1147
Nikitin M. V. 4789
Nilanonta C. 1015
Nilsson U. J. 7921
Ning L. 4209
Nishida A. 4581
Nishida D. 639
Nishide K. 1859
Nishide K. 8393
Nishii Y. 5337
Nishikawa M. 8689
Nishikawa T. 9661
Nishimura A. 1901
Nishimura J. 8183
Nishimura K. 4549
Nishimura S.-I. 5105
Nishino H. 755
Nishino H. 8383
Nishino T. 6609
Nishioka H. 1639
Nishiura M. 10525
Nishiyama S. 6039
Nishiyama S. 9419
Nishiyama Y. 6609
Nissinen M. 1421
Nitta M. 1811
Nitta M. 3709
Nitta M. 4157
Nitta M. 4929
Nitta M. 7291
Nitto Y. 10409
Niu X.-M. 37
Niwa M. 4011
Niyogi D. F. 7565
Njardarson J. T. 8855
No K. 2403
Node M. 1859
Node M. 8393
Noftle R. E. 9389
Noguchi M. 4113
Noguchi M. 4123
Noguchi M. 4581
Noh K. H. 2403
Nojima M. 353
Nojima M. 525
Nolte R. J. M. 175
Nomura M. 5685
Norberg B. 1301
Norrby P.-O. 9695
Norrild J. C. 9075
Noto R. 2241
Noto R. 4997
Nouchi Y. 6353
Nour El-Din A. M. 5073
Novák Z. 7509
Novak M. 8003
Novi M. 10195
Noyori R. 9767
Nugent B. M. 8877
O'Brien J. L. 2259
O'Brien P. 9779
O'Dell D. K. 747
O'Malley S. J. 8889
Oba Y. 1067
Oba Y. 10031
Obika S. 5123
Ochiai M. 10153
Ochoa E. 9179
Ochoa de Retana A. M. 2617
Ockey D. A. 5377
Oda M. 795
Oda M. 801
Oda M. 2831
Oda T. 2651
Odens H. H. 8775
Oderaotoshi Y. 197
Odo Y. 8099
Oehme R. 5295
Oertling H. 3769
Ogamino T. 9419
Ogasawara Y. 5645
Ogawa A. 1327
Ogawa A. 3521
Ogawa A. 6559
Ogawa A. 10147
Ogawa A. 10499
Ogilvie R. 367
Oh C.-H. 6103
Oh J. 2773
Ohfune Y. 6647
Ohga T. 8411
Ohishi H. 9895
Ohizumi Y. 3227
Ohkouchi H. 3649
Ohkubo K. 10059
Ohkura H. 1647
Ohkura N. 8203
Ohmiya H. 7011
Ohnishi Y. 1895
Ohno H. 6301
Ohsawa A. 3527
Ohsawa S. 9895
Ohshima T. 6889
Ohshima T. 10485
Ohsugi S. 1859
Ohsugi S. 8393
Ohta E. 731
Ohta S. 731
Ohta T. 5105
Oi S. 4351
Oishi T. 6301
Oishi Y. 9537
Ojika M. 1067
Okada H. 197
Okajima S. 4959
Okamoto H. 9537
Okamoto T. 2325
Okamoto T. 4857
Okamura H. 10159
Okawa K. 795
Okazawa T. 5685
Okruszek A. 7681
Okujima T. 4651
Okujima T. 8191
Okuyama K. 8393
Okuzumi T. 5603
Olicard C. 2177
Olivieri L. 1309
Olivo H. F. 6531
Ollivier J. 9433
Olsen C. E. 1333
Olsen C. E. 10269
Omar H. I. 8099
Omata Y. 6291
Omata Y. 9537
Omoda M. 4337
Omran O. A. 1469
Oneill K. L. 2471
Ong C. W. 8245
Ong C. W. 9677
Onimura K. 6301
Onishi S. 3385
Onitsuka S. 755
Ono N. 601

Onodera K. 1067
Oono K. 8393
Orita A. 5569
Orita A. 5635
Oritani T. 1529
Orito K. 827
Orr R. K. 3545
Orrù G. 9471
Ortiz R. 8525
Ortiz Mayo J. U. 7377
Ortoleva E. 401
Osada H. 7465
Osada H. 8931
Osada Y. 9447
Osborn H. M. I. 7983
Osborne S. D. 7983
Oseroff A. 10059
Oshige M. 1639
Oshima K. 6627
Oshima K. 9661
Ota H. 4327
Otera J. 5569
Otera J. 5635
Ou Z. 10059
Oudeyer S. 1073
Overhand M. 2423
Overkleeft H. S. 2423
Overman L. E. 6905
Ozawa F. 7555
Ozawa M. 8793
Ozawa T. 7057
Ozturk T. 8107
Pack S. K. 10581
Padakanti S. 7915
Padwa A. 4939
Padwa A. 5441
Pagalday J. 2617
Pagenkopf B. L. 2765
Pagnoni U. M. 1147
Pagnoni U. M. 9951
Pain C. 9627
Pak C. S. 6445
Pakulski Z. 8219
Pal A. 4623
Pal M. 2871
Pal M. 3283
Pal M. 7915
Pal M. 9563
Palacios F. 2617
Palakodety R. K. 9979
Palaniappan N. 7465
Pale P. 9793
Palkovacs E. M. 6433
Palma A. 419
Palmieri A. 7283
Palomba D. 1309
Palomo J. M. 5705
Paloumbis G. 9349
Pampín M. C. 7231
Pampín M. C. 8057
Pan X. 5737
Pan Y. 5495
Pan Y. 8129
Panda N. 8399
Pandey R. K. 10059
Pandey S. K. 10059
Panicker S. B. 6967
Pannell L. K. 10231
Pansare S. V. 3275
Panunzio M. 9577
Panzella L. 2215
Panzeri W. 7147
Papagni A. 5259
Papagni A. 6481
Pappo D. 6493
Parasuraman K. 9563
Paravidino P. 6481
Parisi L. M. 4661
Park A. 1349
Park E. S. 10331
Park J. H. 5861
Park K. K. 7651
Park M.-S. 2921
Park Y. 2773
Park Y. S. 2397
Parker L. L. 10165
Parkin R. M. 3253
Parlow J. J. 7695
Parmar V. S. 1333
Parmar V. S. 10269
Parquette J. R. 3917
Parra M. 6233
Parrain J.-L. 4433
Parra-Rapado L. 8543
Parrinello N. 8589
Parsons A. F. 6221
Parsons A. F. 9951
Parsons P. J. 3307
Pastine S. J. 8859
Pasturel-Jacopé Y. 3315
Paterson I. 6833
Pathak A. K. 10239
Pathak T. 7203
Pathak V. 10239
Patil N. T. 1873
Patiny L. 5241
Patra A. 663
Patra A. 4623
Pattenden G. 2701
Pattenden G. 2713
Pattenden G. 5115
Pattenden G. 6637
Pattenden G. 6979
Paugam J. P. 1073
Pawar S. S. 5019
Pears D. 7163
Pedersen C. Th. 10255
Pedraza A. M. 2913
Pedrero A. B. 685
Peel M. R. 9001
Peláez W. J. 851
Pellet-Rostaing S. 10313
Pelliccia A. R. 7403
Pellissier H. 701
Pellissier H. 2575
Pellissier H. 8291
Peng W. 2899
Peng W. 4395
Peng W. 4641
Peng Z. 5495
Perchellet E. M. 4795
Perchellet J.-P. 4795
Perdicchia D. 6481
Perdicchia D. 7733
Peregrina J. M. 5713
Pérez E. R. 865
Pérez N. 671
Pérez P. 3117
Pérez-Inestrosa E. 2913
Périchon J. 2999
Périchon J. 8199
Perpelescu M. 1137
Perreux L. 2185
Perron J. 6659
Perrone D. 4261
Perry N. B. 6113
Persoons A. 6481
Peters J. W. 595
Petersen A. K. 6771
Peterson E. A. 6905
Petit-Gras N. 567
Petříčková H. 2409
Petříčková H. 7581
Petrillo G. 10195
Petrini M. 3603
Petrini M. 7283
Petrovanu M. G. 111
Petrović G. 187
Petruš L. 9413
Pettit G. R. 6991
Pezzuto J. M. 141
Pham-Huu D.-P. 9413
Phanstiel, IV O. 4315
Philippe N. 8049
Phillips D. 9083
Philp D. 3975
Pielichowski J. 649
Pierantozzi C. 7283
Pietra F. 8757
Pietrusiewicz K. M. 8219
Pihlaja K. 1939
Pilati T. 5259
Pilati T. 9315
Pinho e Melo T. M. V. D. 2345
Pink J. H. 10019
Pinna G. A. 9471
Pinzino C. 5003
Piotrowska D. G. 8405
Piperno A. 4733
Piras P. P. 9433

Pirogov S. V. 1059
Pirotte B. 4557
Pisano L. 7961
Pitchumani K. 5763
Pittelli R. 6251
Plancher J.-M. 8989
Plasencia P. M. S. 2567
Plater M. J. 4673
Plater M. J. 4687
Plé N. 6375
Pocar D. 1667
Pocar D. 9399
Pochet L. 4557
Pochini A. 7587
Pohnert G. 3003
Polborn K. 3359
Pollini G. P. 8439
Pombo-Villar E. 10173
Poncioni M. 3237
Ponti A. 5225
Ponti A. 9315
Pontillo J. 2729
Poonam 10269
Popelis J. 7603
Poppitz W. 1301
Porcheddu A. 5437
Porco J. A., Jr. 2471
Porco J. A., Jr. 8931
Portada T. 1159
Postel D. 941
Potapov A.-K. A. 1939
Poulet S. A. 3003
Poupaert J. H. 1301
Pouzar V. 4069
Pozarentzi M. 4591
Pozarentzi M. 8641
Pozharskii A. F. 7669
Prabhakaran E. N. 8877
Prakash T. P. 7413
Prakesch M. 8833
Prasad A. K. 133
Prasad A. K. 10269
Prasad A. R. 1805
Prasad A. S. B. 9849
Previtera L. 2317
Previtera L. 4821
Price D. W. 3975
Price D. W., Jr. 2497
Price D. W., Jr. 3131
Pritchard G. J. 2197
Prónayová N. 3333
Proszenyák Á. 7897
Pryde D. C. 5115
Pu L. 1703
Pu L. 9873
Pugh G. 3009
Pugh G. 4237
Puigbó G. 2657
Pujol M. D. 1227
Pujol M. D. 3665
Pukin A. V. 5265
Puranik V. G. 2309
Purkait S. 9127
Putkonen T. 8589
Pyne S. G. 8741
Qazi G. N. 3487
Qi G. 10409
Qi S.-H. 4193
Qi X. 7409
Qin J. 6393
Qing F.-L. 7879
Qiu F. 6603
Qu G. 4209
Quéguiner G. 4973
Quéguiner G. 6375
Quéguiner G. 8629
Quéguiner G. 9583
Queiroz M.-J. R. P. 975
Queiroz M.-J. R. P. 2567
Queiroz M.-J. R. P. 3737
Quesnel Y. 8989
Quintero L. 4077
Racha S. 9019
Raczko J. 10181
Raghavan S. 10307
Raghukumar V. 3761
Raghunathan R. 335
Raghunathan R. 2907
Rahm F. 9583
Rahman Md. T. 8383
Raiman M. V. 5265
Raj K. S. 1805
Rajagopal S. 3613
Rajagopal S. 8003
Rajakumar P. 5365
Rajakumar P. 5373
Rajviroongit S. 9825
Ram V. J. 7141
Ramakrishnan V. T. 1791
Ramakrishnan V. T. 3761
Ramamurthy P. 3761
Ramamurthy V. 5763
Ramaprasad S. 10059
Ramesh C. 1049
Ramiro P. 7331
Ramón D. J. 3219
Ramsden C. A. 9547
Rankovic Z. 2137
Ranu B. C. 813
Ranu B. C. 2417
Ranu B. C. 7901
Rao K. R. 2363
Raposo M. M. M. 4891
Rashatasakhon P. 2371
Rasheed M. A. 10307
Rastall R. A. 7983
Rathmell R. E. 2197
Rauckhorst M. R. 3917
Rault S. 10043
Rault S. 10051
Ravikanth M. 2353
Ravikanth M. 6131
Raviña E. 2477
Ravindra R. 9979
Ravindranath N. 1049
Ray C. A. 341
Ray J. 8275
Read R. W. 461
Rebek J., Jr. 7067
Reber S. 6813
Rebstock A.-S. 4973
Reddy B. V. S. 1599
Reddy B. V. S. 1805
Reddy B. V. S. 5333
Reddy Ch. S. 9571
Reddy J. S. S. 1599
Reddy K. S. 5333
Reddy M. A. 2363
Reddy R. E. 5749
Reddy R. E. 8129
Reddy T. J. 8613
Reddy V. R. 8613
Redon P. M. 4827
Reed M. A. 8555
Reek J. N. H. 175
Régaïnia Z. 6051
Reich M. T. 5417
Reider P. J. 1317
Reinaud O. 5563
Reineke U. 9919
Reinhardt G. 5295
Reinhoudt D. N. 5539
Rele S. M. 631
Renaud P. 8543
Renzi G. 1453
Rescifina A. 3581
Rescifina A. 4733
Revuelta J. 3581
Reynolds K. A. 7465
Reynolds R. C. 10239
Rezgui F. 1369
Rhlid R. B. 6109
Riahi A. 9641
Ricci A. 1971
Ricci M. 10025
Riccio R. 9555
Riccio R. 10203
Rice K. C. 4603
Richichi B. 5231
Richomme P. 5091
Riedl Z. 851
Riedl Z. 5919
Riedl Z. 7485
Riela S. 2241
Rietveld I. B. 3821
Riley P. A. 9547
Rio Y. 3833
Ríos M.-Y. 6531
Riou A. 5773
Rissanen K. 1421

Rithner C. D. 267
Rivard M. 6545
Rivett D. E. A. 165
Roberts S. M. 4363
Roberts S. M. 5731
Robiette R. 4167
Robins D. J. 10165
Robinson B. C. 499
Rocha Gonsalves A. M. d'A. 2345
Roda G. 1443
Rodilla J. M. 2333
Rodinovskaya L. A. 7491
Rodrigues M. 7473
Rodriguez A. L. 1571
Rodríguez E. 1553
Rodriguez J. B. 295
Rodríguez J. G. 1021
Rodriguez M. 2617
Rodríguez S. 857
Rodríguez S. 4085
Rodriguez-Solla H. 3253
Rodriquez M. 10203
Rogge T. M. 1147
Rogiers J. 5047
Roig A. 1553
Roland A. 2485
Rolla M. 5251
Rollin P. 4563
Romagnoli B. 3975
Romagnoli B. 7983
Romanov S. G. 8091
Rombouts F. J. R. 4721
Romeo G. 3581
Romeo G. 4733
Romeo G. 5231
Romeo R. 4733
Ronan B. 2929
Roncucci G. 10025
Rondeau D. 5091
Rong F. 2297
Ronzini L. 1381
Rosair G. 3341
Röschenthaler G. V. 2625
Roselli G. 1453
Rosenau T. 2687
Rosenau T. 3231
Rosenau T. 8177
Rosenthal S. J. 8035
Rosser C. M. 9779
Rossi E. 7397
Rossi J.-C. 2485
Rossi R. 2067
Rossi R. 9091
Rosso V. W. 9019
Rossollin V. 7725
Roszak S. 3621
Roszak S. 4761
Rotello V. M. 3341
Rousseau A. L. 7
Rovirosa J. 4805
Rovis T. 8979
Rowan A. E. 175
Roy A. K. 663
Roy I. 5431
Roy O. 5115
Roy O. 9641
Roy R. 663
Roy R. 2871
Roy R. 3881
Roy S. 1333
Royer J. 5879
Rozhkova E. A. 8091
Rozo W. 419
Rozwadowska M. D. 1173
Ruano G. 241
Rubina K. 7603
Rubio-González M^{a} R. 241
Rückle T. 5241
Rudkevich D. M. 5837
Rudkevich D. M. 9619
Ruegg U. T. 5241
Runhui Y. 5731
Rusowicz A. 9019
Russ P. 295
Russel J. S. 9849
Russo M. 8353
Rust J. 5073
Rusu G. 9361
Rutjes F. P. J. T. 6751
Rutledge P. J. 8233
Rybak-Akimova E. V. 231
Rychlewska U. 2871
Rys V. 6615
Ryu J. 7651
Sá M. M. 5441
Saad M. M. G. 8027
Sablé S. 2929
Sabol J. S. 2953
Sabui S. K. 8375
Sáez J. A. 6233
Sáez J. A. 9167
Saf R. 2811
Saf R. 5469
Saga Y. 4337
Sagar R. 5595
Sahu N. P. 8399
Saičić R. N. 187
Saidi M. R. 5329
Saiki A. 10409
Saiki T. 639
Sailes H. 7047
Saintomé C. 7377
Saisyo S. 8203
Saito T. 4533
Sakaguchi K. 6647
Sakai K. 9599
Sakaizawa T. 8183
Sakamoto S. 10153
Sakellariou E. G. 9083
Sakuma C. 767
Sakurai H. 10147
Saladino R. 7403
Salanski P. 3333
Sałański P. 4775
Salaün J. 9433
Salcedo R. 6415
Salerno G. 6251
Salgado A. 2231
Šaman D. 4069
Samanta S. 7901
Samat A. 7725
Sames D. 8859
Samuelson L. A. 1333
Sancassan F. 10195
Sánchez A. 5855
Sánchez L. 1971
Sánchez M. 4077
Sánchez-Andrada P. 9913
Sánchez-Sánchez C. 2913
Sandford G. 437
Sandoval I. T. 2855
Sanière M. 2693
Saniger E. 5457
Saniger E. 8017
Sanki A. K. 7203
San-Martín A. 4805
SanMartin R. 7103
Sansano J. M. 9255
Sansone F. 5539
Sansores L. E. 6415
Santana L. 8171
Santelli M. 701
Santelli M. 2575
Santhi V. 10279
Santhitikul S. 10147
Santos-Sánchez N. F. 2843
Santra S. 2353
Sarabèr F. C. E. 4287
Saravanamuthu A. 2289
Sarhan A. 6353
Sarkar S. 2151
Sarkar S. 4309
Sarker S. D. 6403
Sarmentero M. A. 5855
Sarodnick G. 6311
Sarpong M. A. 9013
Sartillo-Piscil F. 4077
Sartori A. 5539
Sasaki K. 1639
Sasaki M. 505
Sasaki T. 2679
Sastry G. N. 8347
Sato H. 7871
Sato M. 2651
Sato N. 5831
Satoh H. 4539
Satoh H. 8183
Satoh T. 4327
Satoh T. 5685
Satoh T. 9599

Satoh T. 9803
Saudan C. 3845
Savignano L. 1711
Sawa R. 1255
Sawa R. 5347
Sawada S. 4857
Sawicka D. 8955
Saxena A. 87
Schenetti L. 1147
Schenetti L. 9951
Schilling J. K. 9979
Schinazi R. F. 6423
Schleyer P. v. R. 1657
Schmalz H.-G. 3201
Schmalz H.-G. 7345
Schmeyers J. 3753
Schmid B. 1571
Schmidt W. F. 5475
Schmitt M. J. 5623
Schmitz F. J. 1349
Schneider M. F. 6819
Schneider-Mergener J. 9919
Schoerner C. 3403
Schollmeyer D. 5323
Schore N. E. 5377
Schubert R. 4017
Schurink M. 409
Schwink L. 3201
Scialpi R. 7515
Scolastico C. 4501
Scolastico C. 6241
Scolastico C. 7623
Scott T. L. 6323
Scriba G. K. E. 1301
Sebastián R. M. 1553
Secchi A. 7587
Secci F. 9433
Seçen H. 3643
Sechi G. 7961
Sedmak B. 8329
Seebacher W. 1395
Seebacher W. 1403
Seebacher W. 2811
Segi M. 8203
Seino N. 10593
Seki H. 4959
Sekiguchi M. 5123
Sekiyama Y. 7465
Seliga C. 6503
Selkti M. 5879
Senboku H. 827
Sénèque O. 5563
Seoane C. 9179
Šepac D. 1159
Sepioł J. J. 5677
Sepúlveda-Arques J. 677
Séquin U. 3237
Séraphin D. 5091
Serduke O. V. 7669
Sergeeva N. N. 1389
Sevenard D. V. 2625
Sexmero M. J. 685
Sexton C. J. 9001
Sezen B. 1055
Sha C.-K. 1477
Shaikhudinova S. I. 4789
Shan R. 249
Shanker N. 9979
Shanmugasundaram M. 3635
Shao X.-B. 3505
Shao X.-B. 4881
Shaposhnikov S. D. 1059
Sharghi H. 3627
Sharghi H. 8509
Sharma G. V. M. 95
Sharma G. V. M. 6521
Sharma L. 7661
Sharma R. P. 2871
Sharma R. R. 1083
Sharma V. 3267
Sharon O. 8153
Sharpless K. B. 4857
Shaw J. A. 1961
She X. 5737
Sheibani H. 4993
Shelton P. 8275
Shen D. E. 8555
Shen Y. 2555
Shen Y. 5667
Shestopalov A. A. 7491
Shestopalov A. M. 7491
Sheu J.-H. 7337
Shevchenko V. P. 8091
Shi M. 1181
Shia K.-S. 1209
Shibasaki M. 6889
Shibasaki M. 10485
Shibuya M. 5691
Shibuya S. 767
Shibuya S. 9059
Shibuya S. 10223
Shie M.-Y. 6341
Shie Y.-J. 6341
Shigemitsu Y. 8099
Shigenaga A. 5691
Shih M.-H. 4103
Shih Y.-K. 4979
Shiina J. 6039
Shim J.-Y. 9147
Shim S. C. 7997
Shima Y. 7057
Shimada S. 303
Shimada S. 965
Shimizu H. 10159
Shimizu M. 303
Shimizu M. 9655
Shimizu M. 9811
Shimo T. 8099
Shindo K. 1895
Shing T. K. M. 2159
Shinkai S. 3537
Shinmyozu T. 427
Shinoda M. 10593
Shinoda S. 10477
Shinokubo H. 6627
Shinokubo H. 9661
Shioiri T. 6579
Shipton M. R. 5823
Shipton M. R. 6473
Shirai M. 4113
Shirai M. 4123
Shirai M. 4581
Shirai M. 6291
Shirai M. 9537
Shirai M. 9931
Shirataki Y. 5347
Shiro M. 3227
Shiro M. 10153
Shiue R.-T. 7337
Shivani 7661
Shivanyuk A. 7067
Shook B. C. 737
Shriver J. A. 8775
Shrout T. L. 8775
Siahaan T. J. 2861
Sibi M. P. 10575
Sieler J. 5295
Sigalas M. P. 4749
Sikorski J. A. 207
Sillanpää R. 1951
Silva L. F., Jr. 5817
Silveira G. P. 5441
Simmonds M. S. J. 7131
Simpkins N. S. 9213
Simpson S. J. 341
Simpura I. 7535
Sinegovskaya L. M. 4789
Singh B. 3487
Singh G. S. 7631
Singh R. K. 6433
Singleton J. T. 1837
Sinisi R. 5033
Sinkkonen J. 1939
Sioufi N. 7413
Sirtori F. R. 8803
Sjöholm R. E. 4515
Skae M. 6979
Skakle J. M. S. 7385
Skarżewski J. 3621
Skattebøl L. 3461
Skattebøl L. 7157
Skidmore J. 5731
Skowrońska A. 6057
Skrydstrup T. 10541
Śliwińska A. 5927
Śliwiński M. 9199
Slocum D. W. 8275
Smaine F.-Z. 6051
Smeets S. 395
Smethurst C. A. P. 3253

Smith A. B., III 2259
Smith A. B., III 6991
Smith A. D. 3253
Smith C. 10019
Smith C. B. 5731
Smith D. I. 3369
Smith D. K. 3999
Smith M. H. 3975
Smith P. J. 2289
Smith R. E. 2007
Smitha G. 9571
Söderberg B. C. G. 5507
Söderberg B. C. G. 6323
Söderberg B. C. G. 8775
Soejarto D. D. 141
Soengas R. G. 6285
Solans X. 1227
Solans X. 4143
Solladié G. 3315
Sołoducho J. 4761
Soloshonok V. A. 1647
Soloshonok V. A. 7301
Solovieva S. E. 1469
Solvibile W. R. 3183
Somekawa K. 8099
Someshwar P. 10093
Somfai P. 1293
Sommen G. 1557
Sone T. 3227
Song D. 6899
Song X. 2861
Sono M. 3385
Sonoda N. 3521
Sonoda N. 6559
Sonoda N. 6609
Sopkova-de Olivera Santos J. 8049
Sorensen E. J. 6921
Sorin A. 10313
Sośnicki J. G. 4183
Sosnovskikh V. Ya. 2549
Sosnovskikh V. Ya. 2625
Sotelo E. 2477
Sotgiu G. 5083
Soukri M. 3665
Soundararajan N. 9019
South M. S. 7695
Spagnolo P. 7515
Speicher A. 8799
Speranza G. 401
Spinella A. 7787
Spinelli D. 7189
Spinelli D. 10025
Spisani R. 7189
Spiteller D. 135
Spitz J.-A. 10313
Srebnik M. 579
Sreenivas K. 3475
Sridharan V. 4451
Srikanth A. 7761
Srinivas Ch. 10325
Srinivas R. 10279
Srinivasa Rao R. 1599
Sripha K. 391
Sriraghavan K. 1791
Sriram V. 2631
Srisailas M. 5365
Srisailas M. 5373
Srivastava P. 7141
Stabile P. 2067
Stålhandske C. 1033
Stampfer W. 9517
Stashenko E. 419
Staszak M. A. 7215
Stavber S. 5935
Steck A. 10075
Steel P. J. 3701
Steel P. J. 7803
Steele B. R. 3467
Steenken S. 613
Štefanič P. 7123
Steglich W. 123
Steglich W. 9231
Steglich W. 9239
Stella L. 3719
Stensbøl T. B. 1443
Stenstrøm Y. 3461
Stéphan E. 2169
Stephanidou-Stephanatou J. 4591
Stephanidou-Stephanatou J. 8641
Stephenson G. R. 8793
Stevens C. V. 1147
Stevens E. D. 3427
Steward O. W. 737
Steward O. W. 5585
Stibor I. 2409
Stibor I. 7581
Stiles D. 2463
Stofferis J. 4167
Stoikov I. I. 1469
Stojanović M. 7803
Stolarzewicz A. 2147
Streith J. 543
Streubel R. 6213
Strobel G. A. 2471
Strub J.-M. 3833
Stuttle K. 4739
Su J. 8555
Su S. 8931
Suárez I. 5457
Suárez M. 9179
Suau R. 2913
Suau R. 8057
Subramaniam R. 10575
Subramanian V. 9563
Subramaniyan G. 335
Sudhölter E. J. R. 5039
Suefuji T. 10153
Sugawara T. 353
Sugihara H. 877
Sugimoto Y. 10509
Sugiura M. 3063
Sugiyama H. 6579
Sugiyama S. 3417
Sugiyama S. 4327
Sugiyama Y. 8689
Suh J. M. 8919
Suhling K. 9083
Sukhov B. G. 4789
Sulima A. 1173
Suling W. J. 10239
Sullivan K. A. 7215
Sumaoka J. 10403
Sumi S. 8571
Sumino Y. 10499
Sun F. 7615
Sun H.-D. 37
Sun S. 8955
Sundin A. 7921
Šunjić V. 1159
Sunoki T. 9743
Surendra K. 2363
Suresh K. 10093
Surowiec M. 6261
Sütbeyaz Y. 3643
Sutovsky Y. 2939
Sutthivaiyakit P. 9991
Sutthivaiyakit S. 9991
Suwińska K. 5893
Suzukawa H. 9537
Suzuki H. 3157
Suzuki H. 5307
Suzuki I. 5691
Suzuki K. 4533
Suzuki R. 9985
Suzuki T. 10287
Suzuki Y. 6019
Suzumura K. 4533
Swaminathan S. 9019
Swamy S. J. 10093
Swanson D. R. 3799
Swayze E. E. 983
Swayze E. E. 995
Sweeney J. B. 3677
Swierczek K. 595
Syam Kumar U. K. 2631
Sýkora J. 2409
Sýkora J. 7581
Synoradzki L. 1885
Szabó L. 5661
Szántay C. 5661
Szántay Cs. 4281
Szatmári I. 1951
Szatmári I. 2877
Szczepańska A. 4775
Szczęsna B. 5893
Szu P.-H. 1509
Tabet J.-C. 5209
Tachihara T. 1773
Tadic D. 4603
Taguchi T. 8793

Tai C.-L. 1209
Tajiri A. 8191
Takács E. 8353
Takahashi H. 1895
Takahashi J. 1327
Takahashi M. 537
Takahashi S. 1627
Takahashi S. 9599
Takahashi Y. 537
Takahashi Y. 1255
Takahashi Y. 5347
Takaki K. 10381
Takami K. 6627
Takano R. 7057
Takano Y. 8415
Takao K. 9743
Takasaki J. 4533
Takase T. 9767
Takatsu H. 3575
Takayama H. 2679
Takayanagi H. 2325
Takayasu T. 1811
Takayasu T. 4929
Takeba M. 3521
Takeba M. 6559
Takehara Y. 2673
Takehira K. 10381
Takei T. 8689
Takekuma H. 505
Takekuma S. 505
Takemoto Y. 9305
Takemura H. 427
Takeuchi E. 10477
Takeuchi H. 10147
Takeuchi Y. 1639
Takeuchi Y. 8689
Takeya K. 7779
Takeya K. 9985
Tamami B. 821
Tamanini E. 9577
Tamarez M. M. 4249
Tamariz J. 481
Tamaru Y. 7767
Tameshige N. 10477
Tamiaki H. 4337
Tamiaki H. 7423
Tamiaki H. 10477
Tamiya J. 6921
Tamura K. 7571
Tamura M. 4795
Tan G. T. 141
Tan L. 6363
Tan R.-X. 5743
Tanabe Y. 5337
Tanaka H. 1547
Tanaka H. 3195
Tanaka K. 4945
Tanaka K. 6291
Tanaka M. 303
Tanaka M. 3227
Tanaka M. 4135
Tanaka S. 7767
Tanaka T. 1255
Tanaka T. 5347
Tanaka T. 7939
Tanaka T. 9895
Tanaka Y. 4059
Tanaka Y. 4549
Tanaka Y. 10509
Taneja S. C. 3487
Tang J. 4851
Tang W.-J. 8603
Tang Y.-L. 2539
Tangestaninejad S. 8213
Tanigawa N. 7767
Taniguchi M. 4533
Tanimori S. 3745
Tanner D. 6937
Tanticharoen M. 1015
Tanyeli C. 1055
Tanyeli C. 7135
Tapolcsányi P. 5919
Tardif O. 10525
Tárkányi G. 7897
Tarnus C. 543
Tateishi H. 877
Tatibouët A. 4563
Tavani C. 10195
Taylor C. M. 5861
Taylor R. E. 5623
Tchabanenko K. 281
Teberekidis V. I. 4749
Tecilla P. 1711
Teichgräber J. 8697
Tejero T. 3581
Tejero T. 4733
Tellier C. 8705
Tellitu I. 7103
Telser J. 8803
Temesvári-Major E. 4281
Temussi F. 2317
Temussi F. 4821
Terán C. 4901
Teranishi K. 2519
Terashima S. 3019
Terashima S. 3041
Terashima S. 3063
Terashima S. 3089
Terreni M. 5705
Terzis A. 3467
Teso Vilar E. 1565
Tesser G. I. 1589
Testa L. 677
Teulade J. C. 5869
Texier-Boullet F. 3323
Thamyongkit P. 1191
Theberge C. R. 1521
Thebtaranonth Y. 1015
Thebtaranonth Y. 9825
Theodorakis E. A. 6873
Therrien E. 7047
Thibonnet J. 4433
Thiéry V. 773
Thirumalai D. 3761
Thomas A. 2101
Thomas M. 7377
Thong-orn N. 1015
Thongyoo P. 9825
Thoonen S. 10261
Thornton-Pett M. 9997
Threadgill M. D. 3437
Threadgill M. D. 3445
Tian Y. 8227
Tian Y. 10295
Tice C. M. 2223
Tilekar J. N. 1873
Timári G. 7485
Timári G. 7509
Tinant B. 395
Tinant B. 5849
Tisdale E. J. 6873
Tochtermann W. 7791
Tois J. 5395
Tokuda M. 827
Tokuyama H. 8571
Tokuyasu T. 525
Tolvanen A. 8589
Toma L. 1443
Tomalia D. A. 3799
Tomé A. C. 7907
Tomé J. P. C. 7907
Tomer D. P. 2471
Tomioka K. 4549
Tomisaka Y. 10499
Tomizaki K. 1191
Tomkinson N. C. O. 7389
Tomlinson I. D. 8035
Tomoda H. 4795
Tomohiro T. 10409
Tønder J. E. 6937
Toppet S. 395
Toppet S. 1483
Toppet S. M. 4721
Toppet S. M. 5047
Torenius H. M. 2253
Tori M. 3385
Torres A. 1679
Torres M. 6233
Torsell S. 1293
Tosaki S. 10485
Toshima K. 7057
Tosun A. 1055
Tóth G. 3729
Toudic F. 6375
Toupet L. 6051
Tour J. M. 287
Tour J. M. 2497
Tour J. M. 3131
Tour J. M. 8555
Tourwé D. 4421

Tovar F. 9913
Toy P. H. 7171
Trabocchi A. 5251
Traulsen T. 1059
Trauner D. 8919
Trécourt F. 4973
Trécourt F. 8629
Tremblay M. 983
Trenkle J. D. 8913
Tripier R. 4573
Tritsch D. 7315
Trofimov B. A. 4789
Troisi L. 1381
Troupel M. 7497
Tsai C.-J. 8827
Tsai M.-R. 9383
Tsai M.-S. 3409
Tsai Y.-L. 6341
Tsang T.-K. 325
Tschamber T. 6503
Tselinsky I. V. 1059
Tseng N.-W. 1209
Tseng Y.-Y. 1981
Tsoleridis C. A. 4591
Tsoleridis C. A. 8641
Tsubaki K. 3195
Tsuboi S. 1781
Tsuda M. 1137
Tsuda M. 1613
Tsuda M. 3227
Tsuji T. 5603
Tsukamoto S. 4533
Tsukube H. 10477
Tsuri H. 795
Tsuruta H. 10419
Tudge M. 6833
Tudose A. 3291
Tunca U. 8107
Turchi I. J. 8955
Turck A. 6375
Turksoy F. 8107
Turkut E. 1055
Turnbull M. M. 6027
Turner A. B. 8623
Turner E. M. 9001
Turner P. 2441
Turnšek K. 7123
Turos E. 9147
Turowska-Tyrk I. 3621
Turpin O. 5241
Turrin C.-O. 3965
Twyman L. J. 3873
Tye H. 2253
Tyvorskii V. I. 5265
Tzakou O. A. 3729
Uchiro H. 9743
Uchiyama T. 2831
Udodong U. 7215
Udodong U. E. 2667
Ueda M. 5909
Ueki H. 7301
Uenishi J. 7011
Uetake K. 1699
Ujihara H. 517
Ulgar V. 2801
Ullucci E. 9971
Umezawa K. 7057
Uneyama K. 1547
Uneyama K. 9839
Ungaro R. 5539
Unno S. 10477
Uno H. 601
Uozumi Y. 619
Ürge L. 655
Uriarte E. 8171
Uriu T. 505
Urones J. G. 685
Urones J. G. 2333
Urones J. G. 9173
Usachev B. I. 2549
Usachev B. I. 2625
Usai M. 4383
Uy M. M. 731
Uzawa J. 4539
Vainiotalo P. 377
Vakul'skaya T. I. 4789
Valade A.-G. 5849
Valeriote F. A. 1349
Vallribera A. 1553
van Boom J. H. 1589
van Boom J. H. 2423
Van Brabandt W. 5383
Van de Weghe P. 7365
van Delft F. L. 6751
Van den Bossche J. 4721
Van den Driessche B. 5919
van den Elst H. 1589
Van den Eynde I. 4421
van der Marel G. A. 1589
van der Marel G. A. 2423
Van Dorsselaer A. 3833
van Deursen R. 9517
van Koten G. 3989
van Koten G. 10261
Van Meenen E. 1147
Van Meervelt L. 395
van Otterlo W. A. L. 7
van Otterlo W. A. L. 8337
Van Puyvelde L. 5905
Van Rompaey K. 4421
van Schalkwyk D. 2289
van Well R. M. 2423
Vanderheiden S. 6785
Vandermeulen G. W. M. 3925
Vanherck J.-C. 8989
Vanucci-Bacqué C. 6333
Varadarajan R. 7481
Varaprasad C. V. 2297
Varela R. M. 1679
Varga L. 655
Varma R. L. 10279
Vasse J.-L. 4911
Vasse J.-L. 8049
Vasyanina L. K. 1753
Vaultier M. 9907
Vázquez M.-V. 6415
Vecchi E. 5555
Vedejs E. 9849
Veeramaneni V. R. 3283
Veerapratap B. 10093
Vegna F. 7189
Vékey K. 5661
Velázquez F. 6531
Velder J. 3201
Venit J. J. 9019
Venkataramanan N. S. 3613
Venkateswaran R. V. 8375
Vepsäläinen J. 377
Verdecia Y. 9179
Verkade J. G. 561
Verkade J. G. 7819
Vermes B. 9371
Vermonden T. 5039
Verniest G. 2231
Vernon J. M. 3369
Verral D. E. 2667
Viani F. 7147
Vicennati P. 9577
Vicent M. J. 1797
Vicenzi J. T. 7215
Vicinelli V. 3845
Vidal A. 9913
Vidal J.-P. 2485
Viglianisi C. 5523
Viji S. 10279
Viljoen M. S. 6637
Villagómez-Ibarra J. R. 2843
Villecco M. B. 959
Vinci V. 4501
Vinci V. 7623
Vinković V. 2435
Vinod A. U. 10279
Vinogradov S. A. 3821
Viola G. 5215
Virica J. 4451
Virta P. 5137
Višnjevac A. 4047
Visser M. 2289
Vistoli G. 1443
Vogels I. A. 5481
Vögtle F. 3845
Volonterio A. 7147
von Keyserling N. G. 1797
Vong B. G. 6873
Vorontsov I. I. 2549
Vors J.-P. 555
Vors J.-P. 7859
Votruba I. 607
Vrijmoed L. L. P. 4907
Vuilhorgne M. 3719

Wada T. 7871
Wagner A. 7147
Wagner-Wysiecka E. 4415
Wain C. F. 3873
Wakasugi K. 5337
Walker F. M. 4827
Wallace D. J. 6363
Wallace T. W. 341
Wallberg H. 1033
Wallis J. D. 8107
Walstrom A. 8275
Walton J. C. 4275
Wang D. 7609
Wang G.-H. 7337
Wang G.-W. 55
Wang G.-X. 5645
Wang H. 7967
Wang J. 311
Wang J. 5645
Wang L.-H. 7967
Wang R. 7615
Wang S. 9669
Wang S. 10373
Wang X. 4201
Wang X. 8257
Wang X.-Z. 4881
Wang X.-Z. 6087
Wang Y. 1925
Wang Y. 10373
Wang Y.-W. 1277
Wanner K. Th. 3359
Ward R. A. 341
Warrier M. 5763
Wasserman H. H. 6771
Watanabe E. 6035
Watanabe K. 1137
Watanabe N. 4811
Watanabe S. 517
Watanabe S. 3417
Watanabe Y. 7703
Watarumi S. 7939
Watcharin W. 9825
Watson W. H. 1763
Watterson A. C. 1333
Watts P. 10173
Wawrzeńczyk C. 6595
Weavers R. T. 6113
Weber D. 1753
Weber M. 8399
Wei L.-L. 311
Wei Q. 8947
Wei W.-G. 6621
Weibel J.-M. 9793
Weinberg K. 6503
Weintraub P. M. 2953
Weis R. 1395
Weis R. 1403
Weis R. 2811
Weiser J. 4443
Welch J. T. 10031
Welzel P. 5295
Wen L. 4907
Wengel J. 1333
Wenger R. M. 5241
Wenschuh H. 9919
Wesołowska A. 4183
Weyler S. 47
Whitby R. J. 9857
Whitehead R. C. 4827
Widenmeyer M. 10567
Wijnberg J. B. P. A. 7743
Wijnberg J. B. P. A. 9361
Wilamowski J. 5677
Wilcox J. M. 8275
Wiles C. 10173
Wilkes B. A. 8731
Willett R. D. 6027
Williams A. L. 8877
Williams C. M. 1105
Williams J. R. 3183
Williams M. R. V. 5417
Williams R. M. 267
Wills M. 4739
Wills M. 5823
Wills M. 6473
Wilson C. 5115
Wilson C. 6637
Wilson P. J. 3917
Winiarski A. 2147
Winum J.-Y. 6051
Wiskur S. L. 10089
Wismach C. 6213
Wistrand L.-G. 6759
Witchard H. M. 8741
Witherington J. 9729
Wojnárovits L. 8353
Wolpert M. 5317
Woltkamp M. 4795
Wong H. N. C. 325
Wong H. N. C. 1877
Wong H. N. C. 7033
Wood J. L. 8855
Woodgate R. C. J. 8731
Worthington P. A. 7163
Wouters J. 1301
Wrigglesworth R. 1413
Wróbel Z. 101
Wroblewski A. E. 561
Wróblewski A. E. 6075
Wróblewski A. E. 8405
Wu A. 1961
Wu D.-G. 4193
Wu F. 2555
Wu J.-D. 1209
Wu J.-Y. 8245
Wu K.-C. 493
Wu T. 5737
Wu X. 1483
Wu Y.-L. 3511
Wyatt P. B. 9349
Wysocka W. 5531
Wysocka W. 8597
Xi Z. 3779
Xia M. 6771
Xia P. 2015
Xie Z. 10373
Xing X. 9961
Xu C. 6095
Xu C. R. 2861
Xu H. 5837
Xu S. 2555
Xu W. 4843
Xu Y. 4389
Xue C. 5193
Yadav B. S. 5411
Yadav J. S. 1599
Yadav J. S. 1805
Yadav J. S. 5333
Yadav J. S. 10325
Yadav L. D. S. 5411
Yadav V. K. 9111
Yadollahi B. 8213
Yagi S. 9895
Yajima T. 3649
Yamada A. 537
Yamada K. 3089
Yamada K. 5105
Yamada Y. 61
Yamagishi T. 767
Yamaguchi K. 4959
Yamaguchi K. 10153
Yamaguchi K. 10419
Yamaguchi Y. 7307
Yamamoto H. 4113
Yamamoto H. 4123
Yamamoto H. 4581
Yamamoto H. 8689
Yamamoto S. 7307
Yamamoto T. 517
Yamamoto Y. 537
Yamamoto Y. 3433
Yamamoto Y. 4857
Yamamura S. 5909
Yamanaka H. 6739
Yamanaka H. 7571
Yamanaka M. 10593
Yamashita N. 10159
Yamauchi Y. 9839
Yamazaki T. 4811
Yan S. 1359
Yan Y.-L. 10465
Yanai M. 731
Yang D. 6087
Yang D. 10465
Yang G.-Q. 10037
Yang L.-Y. 10037
Yang S. H. 2403
Yang T.-F. 1981
Yang T.-F. 8827
Yang X. 8551

Yang X. 9379
Yang X.-F. 311
Yang Y. S. 2773
Yang Z. 249
Yao C.-F. 4979
Yao P. 37
Yao X. 6603
Yao Z.-J. 6087
Yao Z.-J. 6621
Yasu K. 1811
Yasu K. 4929
Yasuda H. 10409
Yasuike S. 4959
Yasunami M. 8191
Yasutake M. 427
Yavari I. 1289
Yavari I. 2001
Yavari I. 6083
Yavari I. 9409
Ye B.-H. 3593
Ye F. 5635
Ye W.-C. 5743
Yeh L.-A. 9961
Yeh M.-C. P. 3409
Yeh M.-Y. 4103
Yeleswarapu K. R. 3283
Yeleswarapu K. R. 7915
Yeleswarapu K. R. 9563
Yeung K. W. 2159
Yick C.-Y. 325
Yim H.-K. 1877
Yingyongnarongkul B.-E. 3945
Yksjärvi R. 567
Yoganathan G. 9547
Yohannan J. C. 3853
Yokoi T. 4857
Yokokawa F. 6579
Yokomatsu T. 767
Yokomatsu T. 9059
Yokomatsu T. 10223
Yokooji A. 5685
Yokota K. 9537
Yokoya M. 3527
Yokoyama R. 8191
Yonekura T. 8183
Yoo K. S. 3955
Yoon C. M. 10331
Yoon J. 7409
Yorimitsu H. 6627
York M. 2137
Yoshida S. 1137
Yoshifuji S. 7555
Yoshihara M. 505
Yoshimoto T. 455
Yoshimura K. 6301
Yoshioka E. 4867
Yoshioka E. 4873
Youn S. W. 8859
Young D. H. 2223
Yranzo G. I. 851
Yu B. 249
Yu C. Y. 9677
Yu H. 1083
Yu M. 2765
Yu M. 10295
Yu W.-S. 5719
Yu Z. 7163
Yuan C. 473
Yuan C. 6095
Yuasa Y. 9059
Yuasa Y. 10223
Yudina L. N. 1265
Yue Q. 5831
Yun Y. S. 8011
Yus M. 1237
Yus M. 1909
Yus M. 2083
Yus M. 3219
Yus M. 4967
Yus M. 5183
Yus M. 5199
Yus M. 6147
Yus M. 8525
Yus M. 9255
Yusuf M. 3609
Zaballos-García E. 677
Zacuto M. J. 8889
Zafrani Y. 2641
Zaja M. 6545
Zalán Z. 9117
Zanardi I. 9577
Zanda M. 7147
Zanka A. 4939
Zapilko C. 10567
Zaragozá R. J. 6455
Zarrelli A. 2317
Zarrelli A. 4821
Závada J. 7751
Zehnder L. R. 311
Zelenin K. N. 1939
Zeng C.-C. 2539
Zercher C. K. 1521
Zevaco T. 1885
Zhai H. 8551
Zhai H. 9379
Zhan J. 4209
Zhan R. 10059
Zhang D. 4843
Zhang F. 7615
Zhang G. 3499
Zhang G. 5667
Zhang G. 8227
Zhang H. 4843
Zhang H.-C. 1703
Zhang H.-J. 37
Zhang H.-J. 141
Zhang H.-X. 2015
Zhang H.-Y. 7967
Zhang J. 1429
Zhang J. 5609
Zhang J. 5737
Zhang J. 5837
Zhang J. 6273
Zhang J. H. 9793
Zhang M. 6087
Zhang Q. 7967
Zhang T.-H. 55
Zhang W. 3009
Zhang W. 4237
Zhang W. 4475
Zhang W. 6027
Zhang Y. 473
Zhang Y. 1917
Zhang Y. 4201
Zhang Y. 5609
Zhang Y. 5609
Zhang Y. 6095
Zhang Y. 8257
Zhang Y. 8429
Zhang Y. 8979
Zhao C. 3779
Zhao F. 7615
Zhao J. 9379
Zheng G. 10059
Zheng Q. 1925
Zheng Q.-Y. 2539
Zhong L. 4209
Zhou C.-X. 5743
Zhou L.-X. 4405
Zhou W.-S. 2015
Zhou W.-S. 3379
Zhou X. 7615
Zhou X.-T. 8963
Zhu D. 4843
Zhu J. 7859
Zhu N.-Y. 10465
Zhu S. 2899
Zhu S. 4389
Zhu S. 4395
Zhu S. 4641
Zhu S. 9669
Zhu S.-Z. 4881
Zhu W. 6423
Zia-Ullah 5549
Zibrowius H. 8757
Ziegler F. E. 9013
Zielińska-Błajet M. 3621
Zika H. 4591
Zika H. 8641
Žinić B. 4047
Žinić M. 1159
Žinić M. 4047
Zlotos D. P. 391
Zoni C. 9887
Zou X. 2555
Zouhiri F. 2093
Zukowska M. A. 6433
Zupan M. 5935
Zwierzak A. 5927
Zwolska Z. 1885
Zyung T. 2773

Volume Contents 2003

NUMBER 1

Contents

	v	Contributors to this issue
	1	Announcement
	2	Publishers' announcement
	3	Graphical abstracts
		Tetrahedron report number 626
C. B. de Koning, A. L. Rousseau and W. A. L. van Otterlo	7	Modern methods for the synthesis of substituted naphthalenes
		Articles
S.-H. Li, H.-J. Zhang, X.-M. Niu, P. Yao, H.-D. Sun and H. H. S. Fong	37	Novel taxoids from the Chinese yew *Taxus yunnanensis*
S. Weyler, A. M. Hayallah and C. E. Müller	47	Versatile, convenient synthesis of pyrimido[1,2,3-*cd*]purinediones
G.-W. Wang, T.-H. Zhang, E.-H. Hao, L.-J. Jiao, Y. Murata and K. Komatsu	55	Solvent-free reactions of fullerenes and *N*-alkylglycines with and without aldehydes under high-speed vibration milling
H. Miyaoka, Y. Isaji, H. Mitome and Y. Yamada	61	Total synthesis of the dolabellane marine diterpenoids, claenone, palominol and dolabellatrienone
H. Nambu, G. Anilkumar, M. Matsugi and Y. Kita	77	An efficient methodology for the C–C bond forming radical cyclization of hydrophobic substrates in water: effect of additive on radical reaction in water
S. Gemma, S. Butini, C. Fattorusso, I. Fiorini, V. Nacci, K. Bellebaum, D. McKissic, A. Saxena and G. Campiani	87	A palladium-catalyzed synthetic approach to new Huperzine A analogues modified at the pyridone ring
G. V. M. Sharma, A. Ilangovan, V. L. Narayanan and M. K. Gurjar	95	First synthesis of aza-calanolides—a new class of anti-HIV active compounds
Z. Wróbel	101	Double thioalkylation/arylation of nitroarenes with the reduction of nitro- to amino group
I. I. Mangalagiu, G. C. Mangalagiu, C. Deleanu, G. Drochioiu and M. G. Petrovanu	111	4-Methylpyrimidinium ylides. Part 7: 3+2 Dipolar cycloadditions to non-symmetrical substituted alkenes and alkynes
A. K. Bakkestuen and L.-L. Gundersen	115	Synthesis of (+)-trixagol and its enantiomer, the terpenoid side chain of (−)-agelasine E
H. Ebel, S. Knör and W. Steglich	123	Total synthesis of the mushroom metabolite (+)-calopin
	I	Instructions to contributors

NUMBER 2

Contents

	v	Contributors to this issue
	131	Graphical abstracts
D. Spiteller and W. Boland	135	*N*-(15,16-Dihydroxylinoleoyl)-glutamine and *N*-(15,16-epoxylinoleoyl)-glutamine isolated from oral secretions of lepidopteran larvae
H.-J. Zhang, G. T. Tan, V. D. Hoang, N. V. Hung, N. M. Cuong, D. D. Soejarto, J. M. Pezzuto and H. H. S. Fong	141	Natural anti-HIV agents. Part 3: Litseaverticillols A–H, novel sesquiterpenes from *Litsea verticillata*
R. Lauchli and W. Boland	149	Efficient synthesis of [$^2H_2$]-tetrahydrodicranenone B and a 3-oxa-analogue resistant against β-oxidation
F. Dolhem, C. Lièvre and G. Demailly	155	Synthesis of glyco-1-ynitols via 1,1-dibromo-1-alkenes from partially and unprotected aldoses
C. A. Gray, M. T. Davies-Coleman and D. E. A. Rivett	165	An improved synthesis of rhinocerotinoic acid
J. N. H. Reek, J. A. A. W. Elemans, R. de Gelder, P. T. Beurskens, A. E. Rowan and R. J. M. Nolte	175	Self-association and self-assembly of molecular clips in solution and in the solid state
G. Petrović, R. N. Saičić and Ž. Čeković	187	Regioselective free radical phenylsulfenation of a non-activated δ-carbon atom by the photolysis of alkyl benzenesulfenate
H. Okada, T. Akaki, Y. Oderaotoshi, S. Minakata and M. Komatsu	197	Generation and cycloaddition of polymer-supported azomethine ylide by utilizing the characteristics of silicon: a facile route to pyrrolidines and pyrroles from α-silylimines bound to resin
J. T. Gupton, S. C. Clough, R. B. Miller, J. R. Lukens, C. A. Henry, R. P. F. Kanters and J. A. Sikorski	207	The application of vinylogous iminium salt derivatives to the synthesis of Ningalin B hexamethyl ether
C. Herdeis and B. Kelm	217	A stereoselective synthesis of 3-substituted (*S*)-pyroglutamic and glutamic acids via OBO ester derivatives
O. P. Kryatova, A. G. Kolchinski and E. V. Rybak-Akimova	231	Metal-containing ditopic receptors for molecular recognition of diammonium cations
J. Anaya, A. Fernández-Mateos, M. Grande, J. Martiáñez, G. Ruano and M^a R. Rubio-González	241	Cyclization and rearrangement of 4-(2-methyloxiranyl)-β-lactams promoted by titanocene dichloride/Zn^0
Z. Yang, H. Cao, J. Hu, R. Shan and B. Yu	249	1→2 Migration and concurrent glycosidation of phenyl 1-thio-α-mannopyranosides via 2,3-*O*-cyclic dioxonium intermediates
S. Kojima, K. Kawaguchi, S. Matsukawa and K. Akiba	255	Stereospecific stilbene formation from β-hydroxy-α,β-diphenylethyl-phosphoranes. Mechanistic proposals based upon stereochemistry
T. Horiguchi, C. D. Rithner, R. Croteau and R. M. Williams	267	Studies on taxol biosynthesis. Preparation of 5α-acetoxytaxa-4(20),11-dien-2α,10β-diol derivatives by deoxygenation of a taxadiene tetra-acetate obtained from Japanese yew
	I	Instructions to contributors

NUMBER 3

Contents

	v	Contributors to this issue
	275	Graphical abstracts
J. G. Knight and K. Tchabanenko	281	Total synthesis of deoxymannojirimycin and D-mannolactam via carbonylation of 5-vinyloxazolidin-2-ones
S. M. Dirk and J. M. Tour	287	Synthesis of nitrile-terminated potential molecular electronic devices
M. J. Comin, J. B. Rodriguez, P. Russ and V. E. Marquez	295	Synthesis of conformationally locked carbocyclic nucleosides built on an oxabicyclo[3.1.0]hexane system
M. Bao, M. Shimizu, S. Shimada and M. Tanaka	303	Efficient synthesis of *N*-acylarenesulfenamides by acylation of arene-sulfenamides
R. P. Hsung, K. P. Cole, L. R. Zehnder, J. Wang, L.-L. Wei, X.-F. Yang and H. A. Coverdale	311	The total synthesis of (±)-arisugacin A
C.-Y. Yick, T.-K. Tsang and H. N. C. Wong	325	Regiospecific substitution of the carbon–boron bond of *tris*(4-trimethyl-silylfuran-3-yl)boroxine and *tris*(4-methylfuran-3-yl)boroxine. Model approaches towards sesquiterpenoid furanoeudesmanes
G. Subramaniyan, R. Raghunathan and A. M. Martin Castro	335	Stereoselective synthesis of 5-(4′-azetidinyl)-proline esters via 1,3-dipolar cycloaddition reaction of *N*-metalated azomethine ylides
P. Leeming, C. A. Ray, S. J. Simpson, T. W. Wallace and R. A. Ward	341	Stereoselective routes to substituted β-amino carbonyl compounds via heterodiene $[4\pi+2\pi]$ cycloadditions of auxiliary-based C_2 symmetric ketene acetals
A. Masuyama, T. Sugawara, M. Nojima and K. J. McCullough	353	Regioselective radical cyclization initiated by the reaction of allylic hydro-peroxides with iron(II) sulfate
A. Armstrong, P. A. Barsanti, T. J. Blench and R. Ogilvie	367	Synthesis of the C1-side chain of zaragozic acid D and progress towards a total synthesis
A. J. Airaksinen, J. Lipsonen, M. Ahlgren, P. Vainiotalo, K. A. Bergström, R. Laatikainen and J. Vepsäläinen	377	Reduction of 6/7-substituted 3-phenyltrop-3-en-2-ones: stereoselectivity and conformational analysis of the products
K. Y. Lee, J. M. Kim and J. N. Kim	385	Synthesis of 3-substituted-4-hydroxyquinoline *N*-oxides from the Baylis–Hillman adducts of *o*-nitrobenzaldehydes
K. Sripha and D. P. Zlotos	391	6,7,14,15-Tetrahydro[1,5]diazocino[1,2-*a*:6,5-*a*′]diindole. Synthesis of a novel pentacyclic ring system
E. Dolušić, S. Toppet, S. Smeets, L. Van Meervelt, B. Tinant and W. Dehaen	395	Porphotetramethenes with 1,3-alternate conformation of pyrrole rings from oxidative *N*-alkylation of porphyrin tetraphenols
P. Manitto, G. Speranza, N. De Tommasi, E. Ortoleva and C. F. Morelli	401	Aloeresin H, a new polyketide constituent of Cape aloe
J.-W. de Kraker, M. Schurink, M. C. R. Franssen, W. A. König, A. de Groot and H. J. Bouwmeester	409	Hydroxylation of sesquiterpenes by enzymes from chicory (*Cichorium intybus* L.) roots
V. Kouznetsov, A. Palma, W. Rozo, E. Stashenko, A. Bahsas and J. Amaro-Luis	419	Chemistry of *N*-functionalized spirodihydroquinolines. Unusual access to the 3-methyl-4-(2-oxo-pyrrolidinyl-1)spiro[indane-1,1′-cyclohexanes] from 1-(3-cyanopropyl)-3,4-dihydrospiro[quinoline-2,1′-cyclohexanes]
H. Takemura, N. Kon, M. Yasutake and T. Shinmyozu	427	Structurally isomeric two pyridino macrocycles: complexation and structures
	I	Instructions to contributors

NUMBER 4

Contents

	v	Contributors to this issue
	433	Graphical abstracts
		Tetrahedron report number 627
G. Sandford	437	Perfluoroalkanes
		Articles
H. Kobayashi, S. Meguro, T. Yoshimoto and M. Namikoshi	455	Absolute structure, biosynthesis, and anti-microtubule activity of phomopsidin, isolated from a marine-derived fungus *Phomopsis* sp.
S. Busato, D. C. Craig, Z. M. A. Judeh and R. W. Read	461	New *N*-acyl, *N*-alkyl, and *N*-bridged derivatives of *rac*-6,6′,7,7′-tetramethoxy-1,1′,2,2′,3,3′,4,4′-octahydro-1,1′-bisisoquinoline
Y. Zhang, J. Li and C. Yuan	473	Enzymatic synthesis of optically active trifluoromethylated 1- and 2-hydroxyalkanephosphonates
R. Martínez, H. A. Jiménez-Vázquez, F. Delgado and J. Tamariz	481	Synthesis and highly selective Diels–Alder cycloadditions of the new dienes *N*-substituted 2,3,5,6-tetrahydrobenzoxazol-2-ones
Y.-S. Hon and K.-C. Wu	493	Polymer-supported tertiary amine in organic synthesis: a useful reagent in the conversion of alkenes to carbonyl compounds via the corresponding ozonides
A. N. Kozyrev, J. L. Alderfer and B. C. Robinson	499	Pyrazolinyl and cyclopropyl derivatives of protoporphyrin IX and chlorins related to chlorophyll *a*
M. Sasaki, M. Nakamura, T. Uriu, H. Takekuma, T. Minematsu, M. Yoshihara and S. Takekuma	505	A facile preparation, the crystal structure, the chemical and electrochemical properties of [4-(dimethylamino)phenyl]-3-guaiazulenylmethylium tetrafluoroborate
T. Yamamoto, H. Ujihara, S. Watanabe, M. Harada, H. Matsuda and T. Hagiwara	517	Synthesis and odor of optically active *trans*-2,2,6-trimethylcyclohexyl methyl ketones and their related compounds
T. Ito, T. Tokuyasu, A. Masuyama, M. Nojima and K. J. McCullough	525	Synthesis of novel macrocyclic peroxides by bis(sym-collidine)iodine (I) hexafluorophosphate-mediated cyclization of unsaturated hydroperoxides and unsaturated alcohols
Y. Yamamoto, K. Kurihara, A. Yamada, M. Takahashi, Y. Takahashi and N. Miyaura	537	Intramolecular allylboration of γ-(ω-formylalkoxy)allylboronates for syntheses of *trans*- or *cis*-2-(ethenyl)tetrahydropyran-3-ol and 2-(ethenyl)oxepan-3-ol
J.-B. Behr, C. Chevrier, A. Defoin, C. Tarnus and J. Streith	543	Asymmetric synthesis of potent glycosidase and very potent α-mannosidase inhibitors: 4-amino-4-deoxy-L-erythrose and 4-amino-4,5-dideoxy-L-ribose
J.-P. Vors, V. Gerbaud, N. Gabas, J. P. Canselier, N. Jagerovic, M. L. Jimeno and J. Elguero	555	The structure of the agrochemical fungicidal 4-chloro-3-(3,5-dichlorophenyl)-1*H*-pyrazole (RPA 406194) and related compounds
A. E. Wroblewski, V. Bansal, P. Kisanga and J. G. Verkade	561	$P(i\text{-}PrNCH_2CH_2)_3N$: An efficient nonionic catalyst for the regioselective Michael addition of a β,γ-unsaturated ester and a nitrile
J. Matikainen, S. Kaltia, M. Ala-Peijari, N. Petit-Gras, K. Harju, J. Heikkilä, R. Yksjärvi and T. Hase	567	A study of 1,5-hydrogen shift and cyclization reactions of an alkali isomerized methyl linolenoate
	I	Instructions to contributors

NUMBER 5

Contents

	v	Contributors to this issue
	575	Graphical abstracts
		Tetrahedron report number 628
V. M. Dembitsky and M. Srebnik	579	Synthesis and biological activity of α-aminoboronic acids, amine-carboxyboranes and their derivatives
		Articles
K. Swierczek, J. W. Peters and A. C. Hengge	595	A convenient synthesis of phosphonothioic acids
H. Uno, Y. Fumoto, K. Inoue and N. Ono	601	NMR and X-ray analyses of triethyl 3,7,11-triphenylcyclonona[1,2-*b*;4,5-*b*′;7,8-*b*″]-tripyrrole-2,6,10-tricarboxylate: reinvestigation of crown vs saddle conformation of cyclononatripyrroles
M. Hocek, I. Votruba and H. Dvořáková	607	Synthesis of carba-analogues of myoseverin by regioselective cross-coupling reactions of 2,6-dichloro-9-isopropylpurine
E. Baciocchi, M. Bietti, G. Ercolani and S. Steenken	613	$^{-}$OH-Induced shift from carbon to oxygen acidity in the side-chain deprotonation of 2-, 3- and 4-methoxybenzyl alcohol radical cations in aqueous solution: results from pulse radiolysis and DFT calculations
H. Hocke and Y. Uozumi	619	A simple synthetic approach to homochiral 6- and 6′-substituted 1,1′-binaphthyl derivatives
S. S. Iyer, S. M. Rele, S. Baskaran and E. L. Chaikof	631	Design and synthesis of hyaluronan-mimetic gemini disaccharides
T. Nabeshima, D. Nishida and T. Saiki	639	Synthesis of redox active large macrocyclic hosts and the recognition of secondary ammonium salts
D. Bogdal, M. Lukasiewicz, J. Pielichowski, A. Miciak and Sz. Bednarz	649	Microwave-assisted oxidation of alcohols using Magtrieve™
L. Varga, T. Nagy, I. Kövesdi, J. Benet-Buchholz, G. Dormán, L. Ürge and F. Darvas	655	Solution-phase parallel synthesis of 4,6-diaryl-pyrimidine-2-ylamines and 2-amino-5,5-disubstituted-3,5-dihydro-imidazol-4-ones via a rearrangement
A. Patra, A. K. Roy, B. S. Joshi, R. Roy, S. Batra and A. P. Bhaduri	663	The Baylis–Hillman chemistry in aqueous media: elucidation of mechanism for synthesis of ether side-product leads to an efficient approach to C–O bond formation
N. Pérez and B. Gordillo	671	Rapid synthesis of (±)-*r*-7-benzyloxymethyl-cyclopenta-*cis*-[4,5][1,3]-oxazolo[3,2-*a*]-pyrimidinones versatile carbocyclic nucleoside precursors
L. Testa, M. Akssira, E. Zaballos-García, P. Arroyo, L. R. Domingo and J. Sepúlveda-Arques	677	Experimental and theoretical investigations for the regio and stereoselective transformation of *trans* 1,2,3-trisubstituted aziridines into *trans* oxazolidin-2-ones
I. S. Marcos, F. A. Hernández, M. J. Sexmero, D. Díez, P. Basabe, A. B. Pedrero, N. García and J. G. Urones	685	Synthesis and absolute configuration of (−)-chettaphanin I and (−)-chetta-phanin II
	I	Instructions to contributors

NUMBER 6

Contents

	v	Contributors to this issue
	695	Graphical abstracts
		Tetrahedron report number 629
H. Pellissier and M. Santelli	701	The use of arynes in organic synthesis
		Articles
M. M. Uy, S. Ohta, M. Yanai, E. Ohta, T. Hirata and S. Ikegami	731	New spirocyclic sesquiterpenes from the marine sponge *Geodia exigua*
F. F. Fleming, B. C. Shook, T. Jiang and O. W. Steward	737	β-Siloxy unsaturated nitriles: stereodivergent cyclizations to *cis*- and *trans*-decalins
D. K. O'Dell and K. M. Nicholas	747	Unexpected products from the Fp_2-catalyzed reductive cyclization of nitroaromatics bearing pendant unsaturation
S. Onitsuka and H. Nishino	755	Synthesis of polyfunctionalized furans from 3-acetyl-1-aryl-2-pentene-1,4-diones
T. Yamagishi, T. Kusano, B. Kaboudin, T. Yokomatsu, C. Sakuma and S. Shibuya	767	Diastereoselective synthesis of β-substituted α-hydroxyphosphinates through hydrophosphinylation of α-heteroatom-substituted aldehydes
S. Frère, V. Thiéry, C. Bailly and T. Besson	773	Novel 6-substituted benzothiazol-2-yl indolo[1,2-*c*]quinazolines and benzimidazo-[1,2-*c*]quinazolines
U. Holzgrabe and E. Heller	781	A new synthetic route to compounds of the AFDX-type with affinity to muscarinic M_2-receptor
N. M. T. Lourenço and C. A. M. Afonso	789	Ionic liquid as an efficient promoting medium for two-phase nucleophilic displacement reactions
M. Oda, K. Okawa, H. Tsuri and S. Kuroda	795	Unambiguous detection of 2,4,6-cycloheptatrien-1-ol by NMR spectroscopy and trapping with phenyltriazolinedione
M. Mouri, S. Kuroda, M. Oda, R. Miyatake and M. Kyogoku	801	Synthesis, molecular structure, and chemical reactivity of azuleno[1,2-*a*]acenaph-thylene
B. C. Ranu, A. Hajra, S. S. Dey and U. Jana	813	Efficient microwave-assisted synthesis of quinolines and dihydroquinolines under solvent-free conditions
B. Tamami and H. Mahdavi	821	Quaternized amino functionalized cross-linked polyacrylamide as a new solid–liquid phase transfer catalyst in reduction of carbonyl compounds with $NaBH_4$
H. Hasegawa, H. Senboku, Y. Kajizuka, K. Orito and M. Tokuda	827	Stereoselective synthesis of 2-methylenepyrrolizidines by tandem cyclization of *N*-propargylaminyl radicals
A. H. F. Lee, A. S. C. Chan and T. Li	833	Synthesis of 5-(7-hydroxyhept-3-enyl)-1,2-dithiolan-3-one 1-oxide, a core functionality of antibiotic leinamycin
B. Jayaprakasam and M. G. Nair	841	Cyclooxygenase-2 enzyme inhibitory withanolides from *Withania somnifera* leaves
Z. Riedl, G. Hajós, W. J. Peláez, I. T. Gafarova, E. L. Moyano and G. I. Yranzo	851	Flash vacuum pyrolysis (F.V.P.) of 1,2,4-benzotriazine derivatives
M. Carda, S. Rodríguez, E. Castillo, A. Bellido, S. Díaz-Oltra and J. A. Marco	857	Stereoselective synthesis of (−)-malyngolide, (+)-malyngolide and (+)-tanikolide using ring-closing metathesis

E. R. Pérez, A. Loupy, M. Liagre, A. M. de Guzzi Plepis and P. J. Cordeiro	865	Clean and efficient microwave-solvent-free synthesis of 1-(2′,4′-dichloro-phenacyl) azoles
Q. Chen and D. Dolphin	871	Cyclooctapyrroles, novel macrocycles containing biladiene-a,c units
	877	Corrigendum
	I	Instructions to contributors

NUMBER 7

Contents

	v	Contributors to this issue
	879	Graphical abstracts
		Tetrahedron report number 630
S. Bräse, J. H. Kirchhoff and J. Köbberling	885	Palladium-catalysed reactions in solid phase organic synthesis
		Articles
D. F. Ewing, V. Glaçon, G. Mackenzie, D. Postel and C. Len	941	Synthesis of acyclic bis-vinyl pyrimidines: a general route to d4T via metathesis
D. Dondi, I. Caprioli, M. Fagnoni, M. Mella and A. Albini	947	A convenient route to 1,4-monoprotected dialdehydes, 1,4-ketoaldehydes, γ-lactols and γ-lactones through radical alkylation of α,β-unsaturated aldehydes in organic and organic-aqueous media
M. B. Villecco, C. A. N. Catalán and P. Joseph-Nathan	959	First total synthesis of heterocurvistone
T. Kawabata, S. Kawakami, S. Shimada and K. Fuji	965	Control of the enantioselectivity of alkylation of phenylalanine derivatives by regulation of the aggregate structure of chiral enolate intermediates
I. C. F. R. Ferreira, M.-J. R. P. Queiroz and G. Kirsch	975	Synthesis of diarylamines in the benzo[*b*]thiophene series bearing electron donating or withdrawing groups by Buchwald–Hartwig C–N coupling
S. Hanessian, M. Tremblay and E. E. Swayze	983	Tobramycin analogues with C-5 aminoalkyl ether chains intended to mimic rings III and IV of paromomycin
S. Hanessian, A. Kornienko and E. E. Swayze	995	Probing the functional requirements of the L-haba side-chain of amikacin—synthesis, 16S A-site rRNA binding, and antibacterial activity
P. H. Di Chenna, P. Dauban, A. Ghini, R. Baggio, M. T. Garland, G. Burton and R. H. Dodd	1009	PhI=NSes mediated aziridination of 11-pregnane derivatives: synthesis of an 11,12-aziridino analogue of neuroactive steroids
C. Nilanonta, M. Isaka, R. Chanphen, N. Thong-orn, M. Tanticharoen and Y. Thebtaranonth	1015	Unusual enniatins produced by the insect pathogenic fungus *Verticillium hemipterigenum*: isolation and studies on precursor-directed biosynthesis
J. G. Rodríguez, R. Martín-Villamil and A. Lafuente	1021	π-Extended conjugate phenylacetylenes. Synthesis of 4-[(*E*) and (*Z*)-2-(4-ethenyl-phenyl)ethenyl]pyridine. Dimerization, quaternation and formation of charge–transfer complexes
J. Bergman, R. Engqvist, C. Stålhandske and H. Wallberg	1033	Studies of the reactions between indole-2,3-diones (isatins) and 2-amino-benzylamine
C. Ramesh, G. Mahender, N. Ravindranath and B. Das	1049	A mild, highly selective and remarkably easy procedure for deprotection of aromatic acetates using ammonium acetate as a neutral catalyst in aqueous medium
C. Tanyeli, A. Tosun, E. Turkut and B. Sezen	1055	Manganese(III) acetate promoted acetoxylation of various α,β-unsaturated cyclo-pentanones

S. D. Shaposhnikov, S. V. Pirogov, S. F. Mel'nikova, I. V. Tselinsky, C. Näther, T. Graening, T. Traulsen and W. Friedrichsen	1059	Ring-opening and recyclization of 3,4-diacylfuroxans by nitrogen nucleophiles
K. Onodera, H. Nakamura, Y. Oba and M. Ojika	1067	Zooxanthellamide A, a novel polyhydroxy metabolite from a marine dino-flagellate of *Symbiodinium* sp.
S. Oudeyer, E. Léonel, J. P. Paugam and J.-Y. Nédélec	1073	Copper-catalyzed electrosynthesis of 1-acyl-2,2-diphenylcyclopropanes and their behaviour in acidic medium
R. K. Dieter, R. R. Sharma, H. Yu and V. K. Gore	1083	Acylation of α-(*N*-carbamoyl)alkylcuprates and alkyl- or aryl(halo)cuprates
	I	Instructions to contributors

NUMBER 8

Contents

	v	Contributors to this issue
	1095	Announcement
	1097	Graphical abstracts
		Tetrahedron report number 631
L. N. Mander and C. M. Williams	1105	Oxidative degradation of benzene rings
		Articles
M. Tsuda, T. Endo, M. Perpelescu, S. Yoshida, K. Watanabe, J. Fromont, Y. Mikami and J. Kobayashi	1137	Plakevulin A, a new oxylipin inhibiting DNA polymerases α and γ from sponge *Plakortis* species
R. Ballini, G. Bosica and D. Fiorini	1143	Uncatalyzed conversion of linear α-nitro ketones into amides by reaction with primary amines under solventless conditions
F. Ghelfi, C. V. Stevens, I. Laureyn, E. Van Meenen, T. M. Rogge, L. De Buyck, K. V. Nikitin, R. Grandi, E. Libertini, U. M. Pagnoni and L. Schenetti	1147	Synthesis of 5-methoxylated 3-pyrrolin-2-ones via the rearrangement of chlorinated pyrrolidin-2-ones
D. Šepac, Ž. Marinić, T. Portada, M. Žinić and V. Šunjić	1159	Macrocyclic vs acyclic derivatives of chiral bis(oxazolines); ligand distortion and enantioselectivity of Pd(II) complexes in catalytic allylic alkylation
A. A. Esmaili and A. Bodaghi	1169	New and efficient one-pot synthesis of functionalized γ-spirolactones mediated by vinyltriphenylphosphonium salts
M. D. Rozwadowska and A. Sulima	1173	Studies of some hydrogenated thiazolo[2,3-*a*]isoquinoline *S*-oxides
M. Shi, C.-Q. Li and J.-K. Jiang	1181	Reexamination of the traditional Baylis–Hillman reaction
K. Tomizaki, P. Thamyongkit, R. S. Loewe and J. S. Lindsey	1191	Practical synthesis of perylene-monoimide building blocks that possess features appropriate for use in porphyrin-based light-harvesting arrays
H.-J. Liu, T. W. Ly, C.-L. Tai, J.-D. Wu, J.-K. Liang, J.-C. Guo, N.-W. Tseng and K.-S. Shia	1209	A modified Robinson annulation process to α,α-disubstituted-β,γ-unsaturated cyclohexanone system. Application to the total synthesis of nanaimoal
C. Bozzo, M. D. Pujol, X. Solans and M. Font-Bardia	1227	A new synthesis of 3-hydroxy-2,3-dihydro-1,4-benzodioxin-2-carboxamides and 3-aminomethylene-1,4-benzodioxin-2(3*H*)-one derivatives
D. Guijarro, P. Martínez and M. Yus	1237	Reductive defluorination of fluoroalkanes
G. Bringmann, K.-P. Gulden and S. Busemann	1245	Calculation of circular dichroism spectra of michellamines A and C, based on a complete conformational analysis

T. Ito, T. Tanaka, M. Iinuma, K. Nakaya, Y. Takahashi, R. Sawa, H. Naganawa and V. Chelladurai	1255	Two new oligostilbenes with dihydrobenzofuran from the stem bark of *Vateria indica*
L. N. Yudina and J. Bergman	1265	Synthesis and alkylation of indolo[3,2-*b*]carbazoles
Y.-L. Lin, H.-S. Kuo, Y.-W. Wang and S.-T. Huang	1277	Efficient entry to 1-benzoxepine ring skeleton via tandem S_N2/Wittig reaction. Total synthesis of NADH: ubiquinone oxidoreductase (complex I) antagonist pterulinic acid
A. Klásek, K. Kořistek, A. Lyčka and M. Holčapek	1283	Unprecedented reactivity of 3-amino-1*H*,3*H*-quinoline-2,4-diones with urea: an efficient synthesis of 2,6-dihydro-imidazo[1,5-*c*]quinazoline-3,5-diones
I. Yavari, M. Anary-Abbasinejad, A. Alizadeh and Z. Hossaini	1289	A simple and efficient approach to the synthesis of highly functionalized fused benzochromenes
P. Somfai, P. Marchand, S. Torsell and U. M. Lindström	1293	Asymmetric synthesis of (+)-1-deoxynojirimycin and (+)-castanospermine
G. G. Muccioli, J. H. Poupaert, J. Wouters, B. Norberg, W. Poppitz, G. K. E. Scriba and D. M. Lambert	1301	A rapid and efficient microwave-assisted synthesis of hydantoins and thiohydantoins
A. Cartoni, A. Madami, D. Palomba, M. Marras, M. Berettoni, L. Olivieri, A. Ettorre, A. Cipollone, F. Animati, C. A. Maggi and E. Monteagudo	1309	NMR-Spectroscopic, computational and mass-spectrometric investigations on the *cis*/*trans* analogues of 2,3,4-trihydronaphthalene-1-one
N. Ikemoto, J. Liu, K. M. J. Brands, J. M. McNamara and P. J. Reider	1317	Practical routes to the triarylsulfonyl chloride intermediate of a β_3 adrenergic receptor agonist
T. Mizuno, J. Takahashi and A. Ogawa	1327	Facile *S*-alkyl thiocarbamate synthesis by a novel DBU-assisted carbonylation of amines with carbon monoxide and sulfur
A. K. Prasad, S. Roy, R. Kumar, N. Kalra, J. Wengel, C. E. Olsen, A. L. Cholli, L. A. Samuelson, J. Kumar, A. C. Watterson, R. A. Gross and V. S. Parmar	1333	Highly efficient diastereoselective biocatalytic acylation of a diastereotopic furanose diol and synthesis of key intermediates for amino derivatized bicyclonucleosides
S. Kamila, C. Mukherjee, S. S. Mondal and A. De	1339	Application of directed metallation in synthesis. Part 3: Studies in the synthesis of (±)-semivioxanthin and its analogues
V. F. Ferreira, A. Park, F. J. Schmitz and F. A. Valeriote	1349	Synthesis of perfragilin A, B and some analogues
	1359	Corrigendum
	I	Instructions to contributors

NUMBER 9

Contents

	v	Contributors to this issue
	1361	Graphical abstracts
		Tetrahedron report number 632
F. Rezgui, H. Amri and M. M. El Gaïed	1369	Synthetic methods for α-substituted cyclic α,β-enones
		Articles
F. Bona, L. De Vitis, S. Florio, L. Ronzini and L. Troisi	1381	Diastereoselective synthesis of 2-oxiranyl and 2-aziridinyl thiazoles
A. S. Golubev, N. N. Sergeeva, L. Hennig, A. F. Kolomiets and K. Burger	1389	Carbonyl-yne reactions of 3,3,3-trifluoropyruvates

R. Weis and W. Seebacher	1395	Synthesis of 2-substituted bamipine derivatives
R. Weis, A. J. Kungl and W. Seebacher	1403	Synthesis of new analogues of diphenylpyraline
F.-R. Alexandre, A. Berecibar, R. Wrigglesworth and T. Besson	1413	Novel series of 8*H*-quinazolino[4,3-*b*]quinazolin-8-ones via two Niementowski condensations
K. Karisalmi, A. M. P. Koskinen, M. Nissinen and K. Rissanen	1421	Model studies on a diastereoselective synthesis of the C(33)–C(37) fragment of Amphotericin B
J. Zhang and F. Kong	1429	A general method for the synthesis of oligosaccharides consisting of α-(1→2)- and α-(1→3)-linked rhamnan backbones and GlcNAc side chains
P. Conti, M. De Amici, G. Roda, G. Vistoli, T. B. Stensbøl, H. Bräuner-Osborne, U. Madsen, L. Toma and C. De Micheli	1443	Design of novel conformationally restricted analogues of glutamic acid
P. Crotti, G. Renzi, L. Favero, G. Roselli, V. Di Bussolo and M. Caselli	1453	Regiochemical control of the ring opening of 1,2-epoxides by means of chelating processes. Part 15: Regioselectivity of the opening reactions with MeOH of remote *O*-substituted regio- and diastereoisomeric pyranosidic epoxides under condensed- and gas-phase operating conditions
I. I. Stoikov, O. A. Omran, S. E. Solovieva, S. K. Latypov, K. M. Enikeev, A. T. Gubaidullin, I. S. Antipin and A. I. Konovalov	1469	The synthesis of tetracarbonyl derivatives of thiacalix[4]arene in different conformations and their complexation properties towards alkali metal ions
C.-K. Sha, H.-Y. Hsu, S.-Y. Cheng and Y.-L. Kuo	1477	Synthesis and Diels–Alder reactions of the benzo[4,5]thieno [2,3-*c*]pyrrole ring system
X. Wu, S. Toppet, F. Compernolle and G. J. Hoornaert	1483	An unusual bicyclic aziridine, 1-azabicyclo[4.1.0]heptan-2-one, and its reaction with nucleophiles
C.-T. Lin, K.-Z. Chen and T.-C. Chou	1493	Synthesis and characterization of tetramethylene-*syn*-sesterbicyclo[2.2.2]octene
X.-C. Li and D. Ferreira	1501	Stereoselective cyclization of stilbene derived carbocations
Y.-S. Hon, T.-R. Hsu, C.-Y. Chen, Y.-H. Lin, F.-J. Chang, C.-H. Hsieh and P.-H. Szu	1509	Dibromomethane as one-carbon source in organic synthesis: microwave-accelerated α-methylenation of ketones with dibromomethane and diethylamine
C. R. Theberge and C. K. Zercher	1521	Chain extension of amino acid skeletons: preparation of ketomethylene isosteres
T. Horiguchi, T. Oritani and H. Kiyota	1529	Synthesis and antitumor activity of 2-(*m*-substituted-benzoyl)baccatin III analogs from taxinine
G.-A. Lee, C.-H. Cherng, A. N. Huang and Y.-H. Lin	1539	Synthesis and chemistry of tricyclic cyclopropene-tricyclo[3.2.2.0^{2,4}]nona-2(4),6-diene
S. Kobayashi, H. Tanaka, H. Amii and K. Uneyama	1547	A new finding in selective Baeyer–Villiger oxidation of α-fluorinated ketones; a new and practical route for the synthesis of α-fluorinated esters
S. Martínez, M. Meseguer, L. Casas, E. Rodríguez, E. Molins, M. Moreno-Mañas, A. Roig, R. M. Sebastián and A. Vallribera	1553	Silica aerogel-iron oxide nanocomposites: recoverable catalysts in conjugate additions and in the Biginelli reaction
G. Sommen, A. Comel and G. Kirsch	1557	Preparation of thieno[2,3-*b*]pyrroles starting from ketene-*N,S*-acetals
A. G. Martínez, E. Teso Vilar, A. García Fraile and P. Martínez-Ruiz	1565	About the Leuckart reaction of chiral 2-norbornanones bearing electron-withdrawing groups: reaction of bridgehead triflates and triflamides
C. Koradin, W. Dohle, A. L. Rodriguez, B. Schmid and P. Knochel	1571	Synthesis of polyfunctional indoles and related heterocycles mediated by cesium and potassium bases

N. M. A. J. Kriek, D. V. Filippov, H. van den Elst, N. J. Meeuwenoord, G. I. Tesser, J. H. van Boom and G. A. van der Marel	1589	Stepwise solid phase synthesis of uridylylated viral genome-linked peptides using uridylylated amino acid building blocks
J. S. Yadav, B. V. S. Reddy, J. S. S. Reddy and R. Srinivasa Rao	1599	Aza-Diels–Alder reactions in ionic liquids: a facile synthesis of pyrano- and furanoquinolines
	I	Instructions to contributors

NUMBER 10

Contents

	v	Contributors to this issue
	1605	Graphical abstracts
T. Kubota, M. Tsuda and J. Kobayashi	1613	Absolute stereochemistry of amphidinolide C: synthesis of C-1–C-10 and C-17–C-29 segments
S. Takahashi, A. Kubota and T. Nakata	1627	Stereoselective total synthesis of muconin
Y. Takeuchi, K. Azuma, M. Oshige, H. Abe, H. Nishioka, K. Sasaki and T. Harayama	1639	Synthesis of febrifugine derivatives and a solution to the puzzle of the structural determination of febrifugine
H. Ohkura, D. O. Berbasov and V. A. Soloshonok	1647	Chemo- and regioselectivity in the reactions between highly electrophilic fluorine containing dicarbonyl compounds and amines. Improved synthesis of the corresponding imines/enamines
M. K. Cyrański, P. v. R. Schleyer, T. M. Krygowski, H. Jiao and G. Hohlneicher	1657	Facts and artifacts about aromatic stability estimation
F. Clerici, E. Erba and D. Pocar	1667	2-Amidinylindole-3-carbaldehydes: synthesis of new tetracyclic compounds containing the pyrrolo[1,2-*c*]1,4-diazepine ring
R. Antonioletti, S. Malancona, F. Cattaruzza and P. Bovicelli	1673	Iodoenolcyclisation of 2-(1,3-disubstituted-1-allyl)-1,3-dicarbonyl compounds: diastereoselective synthesis of tetrasubstituted dihydrofurans
F. A. Macías, D. Chinchilla, J. M. G. Molinillo, D. Marín, R. M. Varela and A. Torres	1679	Synthesis of heliannane skeletons. Facile preparation of (±)-heliannuol D
T. Kiho, M. Nakayama and H. Kogen	1685	Total synthesis and NMR conformational study of signal peptidase II inhibitors, globomycin and SF-1902 A_5
N. Minakawa, Y. Kato, K. Uetake, D. Kaga and A. Matsuda	1699	An improved large scale synthesis of 1,4-anhydro-4-thio-D-ribitol
H.-C. Zhang and L. Pu	1703	Synthesis of chiral polybinaphthyls with novel conjugated chromophores
M. Di Filippo, I. Izzo, L. Savignano, P. Tecilla and F. De Riccardis	1711	Synthesis of a transmembrane ionophore based on a C_2-symmetric polyhydroxysteroid derivative
W. R. F. Goundry, J. E. Baldwin and V. Lee	1719	Total synthesis of cytotoxic sponge alkaloids hachijodines F and G
N. V. Lyutenko, I. I. Gerus, A. D. Kacharov and V. P. Kukhar	1731	Regioselective reactions of β-aminovinyl trifluoromethyl ketones with tosyl isocyanate
A. A. Aly	1739	Photochemical synthesis of [2.2](3,8)-pyridazinophane and quinolinophane-2(1*H*)-one as well as synthesis of [2](5,8)-quinolinophanes and fused spiro-pyrano-indanoparacyclophanes
A. M. E. Attia and A. E.-H. A. A. Ismail	1749	An approach to acyclo-3-deazapyrimidine S-nucleosides via 3,5-dicyano-2(1*H*)-pyridinethiones

V. I. Maslennikova, R. V. Merkulov, M. V. Dyagileva, L. K. Vasyanina, K. A. Lyssenko, M. Yu. Antipin, D. Weber, I. Bauer, W. D. Habicher and E. E. Nifantyev	1753	Cyclophosphorylation of polyphenols by diamidoarylphosphites
A. P. Marchand, B. Ganguly, C. I. Malagón, H. Lai and W. H. Watson	1763	Experimental and theoretical studies of Diels–Alder dimerization of 1,2,3,4,5-pentachlorocyclopentadiene and of Diels–Alder cycloaddition of polychlori-nated cyclopentadienes to norbornadiene
T. Tachihara and T. Kitahara	1773	Total synthesis of (+)-epiepoformin, (+)-epiepoxydon and (+)-bromoxone employing a useful chiral building block, ethyl (1*R*,2*S*)-5,5-ethylenedioxy-2-hydroxycyclohexanecarboxylate
J.-R. Lin, A. T. Gubaidullin, V. A. Mamedov and S. Tsuboi	1781	Nucleophilic addition reaction of aromatic compounds with α-chloroglycidates in the presence of Lewis acid
K. Sriraghavan and V. T. Ramakrishnan	1791	Photo-Fries and Fries reaction of 5,8-dihydro-1-naphthyl esters
M. I. Burguete, M. Collado, E. García-Verdugo, M. J. Vicent, S. V. Luis, N. G. von Keyserling and J. Martens	1797	Development of small focused libraries of supported amino alcohols as an efficient strategy for the optimization of enantioselective heterogeneous catalysts for the $ZnEt_2$ addition to benzaldehyde
J. S. Yadav, B. V. S. Reddy, K. S. Raj and A. R. Prasad	1805	Room temperature ionic liquids promoted three-component coupling reactions: a facile synthesis of *cis*-isoquinolonic acids
S. Naya, H. Miyama, K. Yasu, T. Takayasu and M. Nitta	1811	Novel synthesis and properties of 7,9-dimethylcyclohepta[b]pyrimido[5,4-*d*]-furan-8(7*H*),10(9*H*)-dionylium tetrafluoroborate: autorecycling oxidation of some alcohols under photo-irradiation
I. Favier and E. Duñach	1823	Oxidation of mandelic acid derivatives catalysed by Bi(0)/O_2 systems: mechanistic considerations
	I	Instructions to contributors

NUMBER 11

Contents

	v	Contributors to this issue
	1831	Graphical abstracts
		Tetrahedron report number 633
J. T. Singleton	1837	The uses of pincer complexes in organic synthesis
		Articles
S. Ohsugi, K. Nishide and M. Node	1859	A novel tandem [4 + 2] cycloaddition–elimination reaction: 2-alkenyl-4,4-dimethyl-1,3-oxathianes as synthetic equivalents for α,β-unsaturated thio-aldehydes
J. N. Tilekar, N. T. Patil, H. S. Jadhav and D. D. Dhavale	1873	Concise and practical synthesis of (2*S*,3*R*,4*R*,5*R*) and (2*S*,3*R*,4*R*,5*S*)-1,6-dideoxy-1,6-iminosugars
H.-K. Yim, Y. Liao and H. N. C. Wong	1877	Synthetic studies of furanosesquiterpenoid tetrahydrolinderazulenes. Total synthesis of (±)-echinofuran
K. Bujnowski, L. Synoradzki, E. Dinjus, T. Zevaco, E. Augustynowicz-Kopeć and Z. Zwolska	1885	Rifamycin antibiotics—new compounds and synthetic methods. Part 1: Study of the reaction of 3-formylrifamycin SV with primary alkylamines or ammonia
K. Shindo, R. Nakamura, I. Chinda, Y. Ohnishi, S. Horinouchi, H. Takahashi, K. Iguchi, S. Harayama, K. Furukawa and N. Misawa	1895	Hydroxylation of ionized aromatics including carboxylic acid or amine using recombinant *Streptomyces lividans* cells expressing modified biphenyl dioxygenase genes
H. Miyabe, A. Nishimura, Y. Fujishima and T. Naito	1901	Carbon–carbon bond construction on solid support: triethylborane-induced radical reactions of oxime ethers

M. Yus, C. Gómez and P. Candela	1909	Functionalised linear and cross-linked polystyrenes from chloromethylated polymers through their organolithium derivatives
X. Fan and Y. Zhang	1917	SmI_2 mediated synthesis of 2,3-disubstituted indole derivatives
Q. Zheng, Y. Wang and E. Lattmann	1925	Introduction of structural diversity into oligonucleotides containing 6-thio-guanine via on-column conjugation
D.-M. Du, B. Fu and W.-T. Hua	1933	Novel chiral dibenzo[*a,c*]cycloheptadiene bis(oxazoline) and catalytic enantioselective cyclopropanation of styrene
J. Sinkkonen, K. N. Zelenin, A.-K. A. Potapov, I. V. Lagoda, V. V. Alekseyev and K. Pihlaja	1939	Ring-chain tautomerism in 2-substituted 1,2,3,4-tetrahydroquinazolines A ^{1}H, ^{13}C and ^{15}N NMR study
M. Heydenreich, A. Koch, L. Lázár, I. Szatmári, R. Sillanpää, E. Kleinpeter and F. Fülöp	1951	Synthesis and stereochemical studies of 1- and 2-phenyl-substituted 1,3-oxazino-[4,3-*a*]isoquinoline derivatives
C. A. Burnett, J. Lagona, A. Wu, J. A. Shaw, D. Coady, J. C. Fettinger, A. I. Day and L. Isaacs	1961	Preparation of glycoluril monomers for expanded cucurbit[*n*]uril synthesis
I. Barrios, P. Camps, M. Comes-Franchini, D. Muñoz-Torrero, A. Ricci and L. Sánchez	1971	One-pot synthesis of *N*-substituted pantolactams from pantolactone
Y.-Y. Tseng, T.-F. Yang and L. Kan	1981	Proton NMR study on two structures of 3′-*O*-(acetylimino)3′-de(phosphinico)-thymidylyl-(3,5′)-deoxythymidine in aqueous solution
A. Covarrubias-Zúñiga, A. Gonzalez-Lucas and M. M. Domínguez	1989	Total synthesis of mycophenolic acid
M. Mąkosza and A. A. Chesnokov	1995	Study of the mechanism of base induced dehydrobromination of *trans*-β-bromostyrene
I. Yavari and M. Bayat	2001	A new synthesis of highly functionalized 2*H*-pyran derivatives
R. J. Bergeron, G. Huang, R. E. Smith, N. Bharti, J. S. McManis and A. Butler	2007	Total synthesis and structure revision of petrobactin
H.-X. Zhang, P. Xia and W.-S. Zhou	2015	Novel asymmetric total synthesis of the natural (+)-6-epicastanospermine
	I	Instructions to contributors

NUMBER 12

Contents

	v	Contributors to this issue
	2021	Graphical abstracts
		Tetrahedron report number 634
C. Alexander, L. Davidson and W. Hayes	2025	Imprinted polymers: artificial molecular recognition materials with applications in synthesis and catalysis
		Articles
E. Dorta, A. R. Díaz-Marrero, M. Cueto and J. Darias	2059	On the relative stereochemistry of atomaric acid and related compounds
Y. Kara and M. Balci	2063	A new and stereospecific synthesis of an inositol analogue: bis-homoinositol
R. Rossi, A. Carpita, F. Bellina, P. Stabile and L. Mannina	2067	Synthesis of 3-arylisocoumarins, including thunberginols A and B, unsymmetrical 3,4-disubstituted isocoumarins, and 3-ylidenephthalides via iodolactonization of methyl 2-ynylbenzoates or the corresponding carboxylic acids

M. Yus, F. Foubelo and J. V. Ferrández	2083	Dibenzothiepins, phthalans and phthalides from 4-heterosubstituted dibenzo-thiins
C. Jousse-Karinthi, F. Zouhiri, J. Mahuteau and D. Desmaële	2093	The six-membered annulation reaction involving sequential palladium-catalyzed allylic alkylation and Michael addition: scope and limitations
C. Grison, A. Thomas, F. Coutrot and P. Coutrot	2101	New ketone homoenolate anion equivalents derived from (alkenyl)pentamethyl phosphoric triamides
M. De Rosa and M. Marquez	2125	The use of an electrophile carrier to determine the number of intermediates in the chlorination of 1-methylpyrrole
G. Delogu, D. Fabbri, S. Menichetti and C. Nativi	2131	Torsional angles in 6,6′-bridged atropoisomeric biphenyls control the electrophilic substitution with phthalimidesulfenyl chloride
J. R. Morphy, Z. Rankovic and M. York	2137	Reagent concentration effects in the REM resin solid phase synthesis of tertiary amines
Z. Grobelny, A. Stolarzewicz, B. Morejko-Buż and A. Winiarski	2147	New concept for the preparation of potassium sodides: the use of hexane as a non-polar solvent
K. C. Majumdar, P. K. Basu, P. P. Mukhopadhyay, S. Sarkar, S. K. Ghosh and P. Biswas	2151	Regioselective synthesis of 1*H*,3*H*,6*H*-[2]benzopyrano[4,3-*d*]pyrimidine-2,4-diones and 12*H*-benzopyrano[3,2-*c*][1]benzopyran-5-ones by radical cyclization
T. K. M. Shing, Y. C. Leung and K. W. Yeung	2159	Catalytic asymmetric epoxidation of alkenes with arabinose-derived uloses
V. Lecomte, E. Stéphan, F. Le Bideau and G. Jaouen	2169	Improved addition of organolithium reagents to hindered and/or enolisable ketones
S. Guillarme, S. Legoupy, A.-M. Aubertin, C. Olicard, N. Bourgougnon and F. Huet	2177	Rapid access to acyclic nucleosides via conjugate addition
L. Perreux, A. Loupy and M. Delmotte	2185	Microwave effects in solvent-free esters aminolysis
	I	Instructions to contributors

NUMBER 13

Contents

	v	Contributors to this issue
	2191	Graphical abstracts
M. F. A. Adamo, R. M. Adlington, J. E. Baldwin, G. J. Pritchard and R. E. Rathmell	2197	Practical routes to diacetylenic ketones and their application for the preparation of alkynyl substituted pyridines, pyrimidines and pyrazoles
R. Naik, P. Joshi, S. P. Kaiwar and R. K. Deshpande	2207	Facile synthesis of *meso*-substituted dipyrromethanes and porphyrins using cation exchange resins
P. Manini, L. Panzella, A. Napolitano and M. d'Ischia	2215	A novel hydrogen peroxide-dependent oxidation pathway of dopamine via 6-hydroxy-dopamine
K. A. Evans, K. Beshah, D. H. Young, T. T. Fujimoto, C. M. Tice and E. L. Michelotti	2223	Synthesis of (±)-2*R*,4*R*,5*S*-2-methoxy-4-nitro-5-(2,3,4-trimethoxyphenyl)cyclo-hexanone and (±)-2*R*,4*S*,5*R*-2-methoxy-5-nitro-4-(2,3,4-trimethoxyphenyl)cyclo-hexanone as colchicine mimetics
A. Salgado, Y. Dejaegher, G. Verniest, M. Boeykens, C. Gauthier, C. Lopin, K. Abbaspour Tehrani and N. De Kimpe	2231	Synthesis of 1-alkyl-2-methylazetidin-3-ones and 1-alkyl-2-methylazetidin-3-ols
C. Aprile, M. Gruttadauria, M. E. Amato, F. D'Anna, P. Lo Meo, S. Riela and R. Noto	2241	Studies on the stereoselective selenolactonization, hydroxy and methoxy selenenylation of α- and β-hydroxy acids and esters. Synthesis of δ- and γ-lactones

N. E. Leadbeater, H. M. Torenius and H. Tye	2253	Ionic liquids as reagents and solvents in conjunction with microwave heating: rapid synthesis of alkyl halides from alcohols and nitriles from aryl halides
P. V. Murphy, J. L. O'Brien, L. J. Gorey-Feret and A. B. Smith, III	2259	Synthesis of novel HIV-1 protease inhibitors based on carbohydrate scaffolds
P. Marwah, A. Marwah and H. A. Lardy	2273	Microwave induced selective enolization of steroidal ketones and efficient acetylation of sterols in semisolid state
K. Chibale, M. Visser, D. van Schalkwyk, P. J. Smith, A. Saravanamuthu and A. H. Fairlamb	2289	Exploring the potential of xanthene derivatives as trypanothione reductase inhibitors and chloroquine potentiating agents
C. V. Varaprasad, Q. Habib, D. Y. Li, J. Huang, J. W. Abt, F. Rong, Z. Hong and H. An	2297	Synthesis of novel exocyclic amino nucleosides by parallel solid-phase combinatorial strategy
M. Arun, S. N. Joshi, V. G. Puranik, B. M. Bhawal and A. R. A. S. Deshmukh	2309	Asymmetric synthesis of azetidin-2-ones by [2+2] cycloaddition using chiral imines derived from D-(+)-glucose
M. DellaGreca, A. Fiorentino, P. Monaco, L. Previtera, F. Temussi and A. Zarrelli	2317	New dimeric phenanthrenoids from the rhizomes of *Juncus acutus*. Structure determination and antialgal activity
I. Azumaya, T. Okamoto, F. Imabeppu and H. Takayanagi	2325	Simple and convenient synthesis of tertiary benzanilides using dichlorotriphenylphosphorane
I. S. Marcos, P. Basabe, M. Laderas, D. Díez, A. Jorge, J. M. Rodilla, R. F. Moro, A. M. Lithgow, I. G. Barata and J. G. Urones	2333	Side-chain migration reactions and ring B aromatization in labdanes: scope and limitations. Synthesis of isofregenedane type tetrahydronaphthalenic diterpenes
T. M. V. D. Pinho e Melo, A. L. Cardoso and A. M. d'A. Rocha Gonsalves	2345	Reactivity of 2-halo-2*H*-azirines. Part 3: Dehalogenation of 2-halo-2*H*-azirine-2-carboxylates
S. Santra, D. Kumaresan, N. Agarwal and M. Ravikanth	2353	*cis*-Pyridyl core-modified porphyrins for the synthesis of cationic water-soluble porphyrins and unsymmetrical non-covalent porphyrin arrays
	2363	Corrigendum
	I	Tetrahedron reports on organic chemistry
	XXV	Instructions to contributors

NUMBER 14

Contents

	v	Contributors to this issue
	2365	Graphical abstracts
		Tetrahedron report number 635
M. Harmata and P. Rashatasakhon	2371	Cycloaddition reactions of vinyl oxocarbenium ions
		Articles
J. Nam, S. Lee and Y. S. Park	2397	Dynamic thermodynamic resolution of *N*-methylpseudoephedrine α-bromo esters for asymmetric syntheses of α-hydroxy carboxylic acid derivatives
K. No, J. H. Lee, S. H. Yang, K. H. Noh, S. W. Lee and J. S. Kim	2403	Intramolecular hydrogen bonding effect on metal ion complexation of homooxacalix[4]arene bearing tetraamides
M. Dudič, P. Lhoták, H. Petříčková, I. Stibor, K. Lang and J. Sýkora	2409	Calixarene-based metalloporphyrins: molecular tweezers for complexation of DABCO
B. C. Ranu, S. S. Dey and A. Hajra	2417	Catalysis by an ionic liquid: efficient conjugate addition of thiols to electron deficient alkenes catalyzed by molten tetrabutylammonium bromide under solvent-free conditions

R. M. van Well, M. E. A. Meijer, H. S. Overkleeft, J. H. van Boom, G. A. van der Marel and M. Overhand	2423	Synthesis of bridged sugar amino acids: a new entry into conformationally locked δ- and ε-amino acids
I. Cepanec, M. Litvić, H. Mikuldaš, A. Bartolinčić and V. Vinković	2435	Calcium trifluoromethanesulfonate-catalysed aminolysis of epoxides
D. Barker, M. A. Brimble, P. Do and P. Turner	2441	Addition of silyloxydienes to 2,6-dibromo-1,4-benzoquinone: an approach to highly oxygenated bromonaphthoquinones for the synthesis of thysanone
P. J. Coelho and L. Blanco	2451	Highly diastereoselective intramolecular Diels–Alder reaction of chiral silatrienes
B. T. Cho and D. J. Kim	2457	Efficient synthesis of (*R*)- and (*S*)-3-octanol, (*R*)-2-dodecanol, (*R*)-2-methyl-4-heptanol and (*R*)-2-methyl-4-octanol: the pheromones of *Myrmica scabrinodis*, *Crematogaster castanea*, *C. liengmei*, *C. auberti* and *Metamasius hemipterus*
J. R. Farrell, D. Stiles, W. Bu and S. J. Lippard	2463	Preparation of macrocyclic and 'C-clamp' dicarboxylate compounds
J. K. Harper, A. M. Arif, E. J. Ford, G. A. Strobel, J. A. Porco, Jr., D. P. Tomer, K. L. Oneill, E. M. Heider and D. M. Grant	2471	Pestacin: a 1,3-dihydro isobenzofuran from *Pestalotiopsis microspora* possessing antioxidant and antimycotic activities
A. Coelho, E. Sotelo and E. Raviña	2477	Pyridazine derivatives. Part 33: Sonogashira approaches in the synthesis of 5-substituted-6-phenyl-3(2*H*)-pyridazinones
T. Durand, O. Henry, A. Guy, A. Roland, J.-P. Vidal and J.-C. Rossi	2485	Radical cyclization; towards the syntheses of tetranor metabolites of 15-F_{2t}-isoprostane
D. W. Price, Jr., S. M. Dirk, F. Maya and J. M. Tour	2497	Improved and new syntheses of potential molecular electronics devices
K. Teranishi	2519	Practical and convenient modifications of the A,C-secondary hydroxyl face of cyclodextrins
C.-C. Zeng, Q.-Y. Zheng, Y.-L. Tang and Z.-T. Huang	2539	Synthesis of new calix[4]arenes containing nucleoside bases
V. Ya. Sosnovskikh, B. I. Usachev and I. I. Vorontsov	2549	7-Polyfluoroalkylnorkhellins: synthesis and reactions with alkyl mercapto-acetates
X. Zou, F. Wu, Y. Shen, S. Xu and W. Huang	2555	Synthesis of polyfluoroalkyl-γ-lactones from polyfluoroalkyl halides and 4-pentenoic acids
H. Dodziuk, G. Dolgonos and J. Leszczynski	2561	A quantum chemical study of tricyclo[3.2.0.0^{1,3}]heptane: a new hypothetical molecule with unusual spatial structure. Similarities and differences with *syn*- and *anti*-tricyclo[3.2.0.0^{2,4}]heptanes
M.-J. R. P. Queiroz, P. M. S. Plasencia, R. Dubest, J. Aubard and R. Guglielmetti	2567	Synthesis and photochromic behaviour of new methyl induced linear and angular thieno-2*H*-chromenes
	2575	Corrigendum
	I	Instructions to contributors

NUMBER 15

Contents

	v	Contributors to this issue
	2577	Graphical abstracts
		Tetrahedron report number 636
R. E. Meléndez and W. D. Lubell	2581	Synthesis and reactivity of cyclic sulfamidites and sulfamidates
		Articles
F. Palacios, A. M. Ochoa de Retana, E. Martínez de Marigorta, M. Rodriguez and J. Pagalday	2617	Aza-Wittig reaction of *N*-phosphorylalkyl phosphazenes with carbonyl compounds and phenylisocyanate. Synthesis of 4-amino-3-phosphoryl-2-azadienes and pyrazine-phosphonates
V. Ya. Sosnovskikh, B. I. Usachev, D. V. Sevenard and G.-V. Röschenthaler	2625	Synthesis of 2-(trifluoromethyl)-1,2-dihydro-4*H*-thieno[2,3-*c*]chromen-4-ones and 2-(trifluoromethyl)-4*H*-thieno[2,3-*c*]chromen-4-ones from 2-trifluoro-methyl-chromones and ethyl mercaptoacetate
P. K. Mahata, U. K. Syam Kumar, V. Sriram, H. Ila and H. Junjappa	2631	1-Bis(methoxy)-4-bis(methylthio)-3-buten-2-one: useful three carbon synthon for synthesis of five and six membered heterocycles with masked (or unmasked) aldehyde functionality
Y. Zafrani, M. Cherkinsky, H. E. Gottlieb and S. Braverman	2641	A new approach to the synthesis of 2-vinylthiophenes and selenophenes; competition between free radical and anionic cycloaromatization of bridged di- and tetrapropargylic sulfides and selenides
M. Sato, T. Oda, K. Iwamoto and E. Murakami	2651	Highly efficient methods for metacyclophane synthesis
G. Puigbó, F. Diaba and J. Bonjoch	2657	Synthesis of enantiopure 3-amino-1-azaspiro[4.5]decan-8-ones by halonium promoted cyclization of amino-tethered cyclohexenes
U. E. Udodong, M. M. Hansen, D. E. Verral, A. R. Harkness, J. L. Grutsch, W. D. Miller and B. Astleford	2667	Selective methylphosphonylation of an echinocandin B analog derived from LY303366
H. Kitano, S. Fujita, Y. Takehara, M. Hattori, T. Morita, K. Matsumoto and M. Hatanaka	2673	Thermal intramolecular cycloaddition of 4-alkenylfulvene; highly regio- and diastereoselective formation of [4+2] adduct
K. Kato, T. Sasaki, H. Takayama and H. Akita	2679	New total synthesis of (+)-cystothiazole A based on palladium-catalyzed cyclization–methoxycarbonylation
C. Adelwöhrer, T. Rosenau, L. Gille and P. Kosma	2687	Synthesis of novel 3-oxa-chromanol type antioxidants
I. McCort, M. Sanière and Y. Le Merrer	2693	Synthesis and glycosidase inhibitory activity of pseudo-di-(or tri-)saccharides
B. McKeever and G. Pattenden	2701	Total synthesis of the cytotoxic cyclopeptide mollamide, isolated from the sea squirt *Didemnum molle*
B. McKeever and G. Pattenden	2713	Total synthesis of trunkamide A, a novel thiazoline-based prenylated cyclopeptide metabolite from *Lissoclinum* sp.
M. E. Jung and J. Pontillo	2729	Synthetic approach to potential precursors of sclerophytin A
S. P. Chavan, R. K. Kharul, R. R. Kale and D. A. Khobragade	2737	An efficient synthesis of (±)-β-herbertenol by a 1,3-cyclopentadione annelation strategy
	I	Instructions to contributors

NUMBER 16

Contents

	v	Contributors to this issue
	2743	Graphical abstracts
		Tetrahedron report number 637
A. Al-Azmi, A.-Z. A. Elassar and B. L. Booth	2749	The chemistry of diaminomaleonitrile and its utility in heterocyclic synthesis
		Articles
M. Yu and B. L. Pagenkopf	2765	Acetal formation by solvolysis of glucal-derived donor–acceptor cyclopropanes
H. Lee, J. Oh, H. Y. Chu, J.-I. Lee, S. H. Kim, Y. S. Yang, G. H. Kim, L.-M. Do, T. Zyung, J. Lee and Y. Park	2773	Synthesis of regio- and stereoselective alkoxy-substituted spirobifluorene derivatives for blue light emitting materials
F. Bilodeau, L. Dubé and P. Deslongchamps	2781	New approach toward the total synthesis of (+)-aphidicolin by tandem transannular Diels–Alder/aldol strategy
S. Couve-Bonnaire, J.-F. Carpentier, A. Mortreux and Y. Castanet	2793	Palladium-catalyzed carbonylative coupling of pyridine halides with aryl boronic acids
V. Ulgar, Ó. López, I. Maya, J. G. Fernández-Bolaños and M. Bols	2801	Synthesis of furan 4′-thio-*C*-nucleosides, their methylsulfonium and sulfoxide derivatives. Evaluation as glycosidase inhibitors
W. Seebacher, G. Michl, F. Belaj, R. Brun, R. Saf and R. Weis	2811	One-pot syntheses of 2-pyrazoline derivatives
M. Á. Alonso, P. López-Alvarado, C. Avendaño and J. C. Menéndez	2821	Regioselective Diels–Alder reactions of 3-indolylquinones
M. Oda, H. Kainuma, T. Uchiyama, R. Miyatake and S. Kuroda	2831	Synthesis, stability and molecular structure of novel hydrocarbon cations consisting of a tropylium cation and two spiro[4.5]deca-2,4-dienes
M. S. Morales-Ríos, N. F. Santos-Sánchez, M. J. Fragoso-Vázquez, D. Alagille, J. R. Villagómez-Ibarra and P. Joseph-Nathan	2843	A convenient preparation of furo[2,3-*b*]indoles by conjugated addition of organomagnesium reagents to 2-hydroxyindolylidenemalonates
R. A. Davis, I. T. Sandoval, G. P. Concepcion, R. M. da Rocha and C. M. Ireland	2855	Lissoclinotoxins E and F, novel cytotoxic alkaloids from a Philippine didemnid ascidian
C. R. Xu, H. T. He, X. Song and T. J. Siahaan	2861	Synthesis and comparison of physicochemical, transport, and antithrombic properties of a cyclic prodrug and the parent RGD peptidomimetic
A. K. Bhattacharya, M. Pal, D. C. Jain, B. S. Joshi, R. Roy, U. Rychlewska and R. P. Sharma	2871	Stereoselective reduction of arteannuin B and its chemical transformations
I. Szatmári, T. A. Martinek, L. Lázár and F. Fülöp	2877	Substituent effects in the ring-chain tautomerism of 1,3-diaryl-2,3-dihydro-1*H*-naphth[1,2-*e*][1,3]oxazines
Y. Kitahara, M. Mochii, M. Mori and A. Kubo	2885	Synthetic studies of imbiline 1, a constituent of *Eupomatia* species
M. G. Cabiddu, S. Cabiddu, E. Cadoni, S. De Montis, C. Fattuoni and S. Melis	2893	An unusual behaviour of *N*-(*tert*-butoxycarbonyl)- and *N*-pivaloyl-(methylthio)-anilines in metallation reactions
S. Zhu, G. Jin, W. Peng and Q. Huang	2899	Cycloaddition reactions of β-trifluoroacetylvinyl ethers
A. Amal Raj and R. Raghunathan	2907	Synthesis of spiro pyrrolidines via formal [3+2] cycloaddition of unusual enones and *cis*-3-benzoyl-1-cyclohexyl-2-phenylaziridine
R. Suau, R. García-Segura, C. Sánchez-Sánchez, E. Pérez-Inestrosa and A. M. Pedraza	2913	Photoinduced SET phthalimidation of unactivated double bonds and its application to the synthesis of protected phenethylamines

Y.-A. Kim, M.-S. Park, Y. H. Kim and S.-Y. Han	2921	Synthesis of 1-lyso-2-palmitoyl-*rac*-glycero-3-phosphocholine and its regio-isomers and structural elucidation by NMR spectroscopy and FAB tandem mass spectrometry
B. Ronan, E. Bacqué, J.-C. Barrière and S. Sablé	2929	Preparation of 14,36-didehydro pristinamycins IIs
Y. Sutovsky, G. I. Likhtenshtein and S. Bittner	2939	Synthesis and photochemical behavior of donor–acceptor systems obtained from chloro-1,4-naphthoquinone attached to *trans*-aminostilbenes
	I	Instructions to contributors

NUMBER 17

Contents

	v	Contributors to this issue
	2947	Graphical abstracts
		Tetrahedron report number 638
P. M. Weintraub, J. S. Sabol, J. M. Kane and D. R. Borcherding	2953	Recent advances in the synthesis of piperidones and piperidines
		Articles
A. Kar and N. P. Argade	2991	A facile access to natural and unnatural dialkylsubstituted maleic anhydrides
P. Gomes, C. Gosmini and J. Périchon	2999	Cobalt-catalyzed electrochemical vinylation of aryl halides using vinylic acetates
S. Adolph, S. A. Poulet and G. Pohnert	3003	Synthesis and biological activity of α,β,γ,δ-unsaturated aldehydes from diatoms
W. Zhang and G. Pugh	3009	Free radical reactions for heterocycle synthesis. Part 6: 2-Bromobenzoic acids as building blocks in the construction of nitrogen heterocycles
M. Hashimoto, M. Matsumoto and S. Terashima	3019	Synthetic studies of carzinophilin. Part 1: Synthesis of 2-methylidene-1-azabicyclo-[3.1.0]hexane systems related to carzinophilin
M. Hashimoto, M. Matsumoto and S. Terashima	3041	Synthetic studies of carzinophilin. Part 2: Synthesis of 3,4-dibenzyloxy-2-methylidene-1-azabicyclo[3.1.0]hexane systems corresponding to the C1–C17 fragment of carzinophilin
M. Hashimoto, M. Sugiura and S. Terashima	3063	Synthetic studies of carzinophilin. Part 3: Synthetic approach toward carzinophilin and successful synthesis of 13-*O*-desacetyl-12,13-di-*O*-benzyl-4-*O*-methyl-carzinophilin
M. Hashimoto, M. Matsumoto, K. Yamada and S. Terashima	3089	Synthetic studies of carzinophilin. Part 4: Chemical and biological properties of carzinophilin analogues
K. Abbaspour Tehrani, M. D'hooghe and N. De Kimpe	3099	Novel synthesis of indolizidines and quinolizidines
G.-S. Jiao, A. Loudet, H. B. Lee, S. Kalinin, L. B.-Å. Johansson and K. Burgess	3109	Syntheses and spectroscopic properties of energy transfer systems based on squaraines
P. Pérez, L. R. Domingo, M. J. Aurell and R. Contreras	3117	Quantitative characterization of the global electrophilicity pattern of some reagents involved in 1,3-dipolar cycloaddition reactions
C. Hubert, C. Alexandre, A.-M. Aubertin and F. Huet	3127	An efficient synthesis of dienic nucleoside analogues via a Mitsunobu reaction
D. W. Price, Jr. and J. M. Tour	3131	Biphenyl- and fluorenyl-based potential molecular electronic devices
H. Suzuki and C. Kuroda	3157	Synthesis of eleven-membered carbocycles via a homo-Cope type of five-carbon ring expansion reaction utilized β-(hydroxymethyl)allylsilane

C. B. de Koning, R. G. F. Giles, I. R. Green and N. M. Jahed 3175 The synthesis of *R*-3-alkoxy-1-(1′-hydroxyethyl)-4-methoxy-2-(1″-propenyl)-benzenes utilizing Corey–Bakshi–Shibata asymmetric reductions

J. R. Williams, D. Chai, J. D. Bloxton, II, H. Gong and W. R. Solvibile 3183 Synthesis of the aglycone of 26-*O*-deacetyl pavoninin-5

I Instructions to contributors

NUMBER 18

Contents

v Contributors to this issue

3189 Graphical abstracts

K. Tsubaki, H. Tanaka, H. Morikawa and K. Fuji 3195 Synthesis and recognition of amino acids by binaphthyl-crown receptors

F. Kaiser, L. Schwink, J. Velder and H.-G. Schmalz 3201 Studies towards the total synthesis of mumbaistatin: synthesis of highly substituted benzophenone and anthraquinone building blocks

M. Yus, D. J. Ramón and I. Gómez 3219 Preparation of α,*n*-dilithiotoluene equivalents. Synthesis of tamoxifen

M. Tsuda, T. Mugishima, K. Komatsu, T. Sone, M. Tanaka, Y. Mikami, M. Shiro, M. Hirai, Y. Ohizumi and J. Kobayashi 3227 Speradine A, a new pentacyclic oxindole alkaloid from a marine-derived fungus *Aspergillus tamarii*

C. Adelwöhrer, T. Rosenau, W. H. Binder and P. Kosma 3231 Novel tocopheryl compounds. Part 15: One-pot formation of furotocopheryl derivatives

G. Grossmann, M. Poncioni, M. Bornand, B. Jolivet, M. Neuburger and U. Séquin 3237 Bioactive butenolides from *Streptomyces antibioticus* TÜ 99: absolute configurations and synthesis of analogs

A. M. Chippindale, S. G. Davies, K. Iwamoto, R. M. Parkin, C. A. P. Smethurst, A. D. Smith and H. Rodriguez-Solla 3253 Asymmetric synthesis of cyclic β-amino acids and cyclic amines via sequential diastereoselective conjugate addition and ring closing metathesis

M. Kumar, V. Sharma and J. N. Babu 3267 Synthesis and binding studies of new bis-calix[4]arenes containing aromatic and heteroaromatic units

S. V. Pansare and A. Bhattacharyya 3275 Enantioselective synthesis of pantolactone analogues from an ephedrine-derived morpholine-dione

V. R. Veeramaneni, M. Pal and K. R. Yeleswarapu 3283 A high speed parallel synthesis of 1,2-diaryl-1-ethanones via a clean-chemistry C–C bond formation reaction

A. T. Balaban, A. Tudose and M. T. Caproiu 3291 Synthesis of 2,4-dimethyl-6-oxo-2,4-heptadienoic acid derivatives from 2,4,6-trimethylpyrylium salts

A. Luxenburger 3297 The synthesis of carnosol derivatives

E. S. Greenwood, P. B. Hitchcock and P. J. Parsons 3307 Studies towards a total synthesis of kainic acid

G. Solladié, Y. Pasturel-Jacopé and J. Maignan 3315 A re-investigation of resveratrol synthesis by Perkins reaction. Application to the synthesis of aryl cinnamic acids

D. Michaud, J. Hamelin and F. Texier-Boullet 3323 Michael monoadditions of nitromethane or nitroethane with electrophilic *gem*-disubstituted alkenes over alumina under microwave irradiation

I. Blanáriková-Hlobilová, Z. Kubánová, L. Fišera, M. K. Cyranski, P. Salanski, J. Jurczak and N. Prónayová 3333 Stereoselectivity of 1,3-dipolar cycloadditions of L-valine-derived nitrones with methyl acrylate

G. Cooke, H. A. de Cremiers, F. M. A. Duclairoir, J. Leonardi, G. Rosair and V. M. Rotello	3341	Ferrocene incorporating host–guest dyads with electrochemically controlled three-pole hydrogen bonding properties
P. W. C. Cross, G. J. Ellames, J. S. Gibson, J. M. Herbert, W. J. Kerr, A. H. McNeill and T. W. Mathers	3349	Conditions for deuterium exchange mediated by iridium complexes formed in situ
R. Kammler, K. Polborn and K. Th. Wanner	3359	Asymmetric synthesis of a tricyclic core structure of the securinega alkaloids virosecurinine and allosecurinine
P. D. Bailey, K. M. Morgan, D. I. Smith and J. M. Vernon	3369	Spiro cyclisations of *N*-acyliminium ions involving an aromatic π-nucleophile
B. Liu and W.-S. Zhou	3379	The first stereoselective synthesis of orostanal isolated from a marine sponge *Stelletta hiwasaensis*
M. Sono, S. Onishi and M. Tori	3385	Cyclization into perhydronaphthalenones using samarium diiodide
	I	Instructions to contributors

NUMBER 19

Contents

	v	Contributors to this issue
	3397	Graphical abstracts
J. Einsiedel, C. Schoerner and P. Gmeiner	3403	Synthesis of dihydrooxazole analogues derived from linezolid
M.-C. P. Yeh, J.-H. Liang, Y.-L. Jiang and M.-S. Tsai	3409	Construction of fused, bridged, and spiro bicyclic skeletons via nickel-catalyzed intramolecular cyclization of cyclic 1,3-dienes and a tethered aldehyde
S. Sugiyama, S. Watanabe, T. Inoue, R. Kurihara, T. Itou and K. Ishii	3417	A novel dynamic kinetic resolution accompanied by intramolecular trans-esterification: asymmetric synthesis of a 4-hydroxymethyl-2-oxazolidinone from serinol derivatives
B. S. Jursic, F. Douelle and E. D. Stevens	3427	Preparation of 5-diaminomethylenebarbiturates by barbituric acid addition to carbodiimides
A. Naoe, M. Ishibashi and Y. Yamamoto	3433	Cribrarione A, a new antimicrobial naphthoquinone pigment from a myxomycete *Cribraria purpurea*
S. Ferrer, D. P. Naughton and M. D. Threadgill	3437	Studies on the reductively triggered release of heterocyclic and steroid drugs from 5-nitrothien-2-ylmethyl prodrugs
S. Ferrer, D. P. Naughton and M. D. Threadgill	3445	^{1}H NMR studies on the reductively triggered release of heterocyclic and steroid drugs from 4,7-dioxoindole-3-methyl prodrugs
F. R. Cibin, G. Doddi and P. Mencarelli	3455	Synthesis of a ditopic cyclophane based on the cyclobutane ring by chalcone photocycloaddition
T. V. Hansen, L. Skattebøl and Y. Stenstrøm	3461	Synthetic efforts towards the protoilludenes. A formal synthesis of Δ^7-protoilludene
I. D. Kostas, B. R. Steele, A. Terzis and S. V. Amosova	3467	A palladium complex with a new hemilabile amino- and sulfur-containing phosphinite ligand as an efficient catalyst for the Heck reaction of aryl bromides with styrene. The effect of the amino group
G. Mehta and K. Sreenivas	3475	Synthetic studies towards the novel fomannosane sesquiterpenoid illudosin: framework construction
N. Coşkun and M. Er	3481	Efficient and chemoselective alkyl bromoacetate–Zn mediated transesterifi-cation method
S. Koul, B. Singh, S. C. Taneja and G. N. Qazi	3487	New chemo and chemo-enzymatic synthesis of β-benzyl-γ-butyrolactones

S. Bhar and S. K. Chaudhuri	3493	Remarkable reactivity of pyridinium chlorochromate adsorbed on neutral alumina under solvent-free conditions
G. Zhang, S. Li and Y. Jiang	3499	Substituent effect of the spin-coupling constant through *m*-phenylene in *m*-xylylene and its derivatives
H. Chen, X.-B. Shao, X.-K. Jiang and Z.-T. Li	3505	A general approach to L-tyrosine porphyrins
Y.-J. Liao, Y.-L. Wu and C.-P. Chuang	3511	Cyclization reactions of methylthioacetanilides
J. Kawakami, M. Mihara, I. Kamiya, M. Takeba, A. Ogawa and N. Sonoda	3521	Platinum-catalyzed highly selective thiocarbonylation of acetylenes with thiols and carbon monoxide
T. Itoh, M. Miyazaki, S. Ikeda, K. Nagata, M. Yokoya, Y. Matsuya, Y. Enomoto and A. Ohsawa	3527	A general method for the asymmetric synthesis of both enantiomers of 1-substituted 1,2,3,4-tetrahydro-β-carbolines employing pyroglutamic acid derivatives as chiral auxiliaries
A. Ikeda, T. Hatano, T. Konishi, J. Kikuchi and S. Shinkai	3537	Host–guest complexation effect of 2,3,6-tri-*O*-methyl-β-cyclodextrin on a C_{60}–porphyrin light-to-photocurrent conversion system
	I	Instructions to contributors

NUMBER 20

Contents

	v	Contributors to this issue
	3541	Graphical abstracts
		Tetrahedron report number 639
R. K. Orr and M. A. Calter	3545	Asymmetric synthesis using ketenes
		Articles
Y. Hirasawa, H. Morita and J. Kobayashi	3567	Senepodines B–E, new $C_{22}N_2$ alkaloids from *Lycopodium chinense*
H. Morita, H. Takatsu and J. Kobayashi	3575	Daphnezomines P, Q, R and S, new alkaloids from *Daphniphyllum humile*
P. Merino, J. Revuelta, T. Tejero, U. Chiacchio, A. Rescifina and G. Romeo	3581	A DFT study on the 1,3-dipolar cycloaddition reactions of *C*-(methoxy-carbonyl)-*N*-methyl nitrone with methyl acrylate and vinyl acetate
B.-H. Ye and Y. Naruta	3593	A novel method for the synthesis of regiospecifically sulfonated porphyrin monomers and dimers
R. Ballini, G. Bosica, G. Cioci, D. Fiorini and M. Petrini	3603	Conjugate addition of nitroalkanes to *N*-substituted maleimides. Synthesis of 3-alkylsuccinimides and pyrrolidines
S. C. Gupta, M. Yusuf, S. Arora and R. C. Kamboj	3609	Photolysis of xylylbischromones
K. J. Adaikalasamy, N. S. Venkataramanan and S. Rajagopal	3613	Electron transfer reactions of iron(III)-polypyridyl complexes with organic sulfoxides
J. Skarżewski, M. Zielińska-Błajet, S. Roszak and I. Turowska-Tyrk	3621	Cyclization of 1,3-diaryl-3-phenylsulfanyl-1-propanols to thiochromans with the participation of [1,3]-PhS shift
H. Sharghi and M. Hosseini Sarvari	3627	$Al_2O_3/MeSO_3H$ (AMA) as a new reagent with high selective ability for mono-esterification of diols
C.-W. Huang, M. Shanmugasundaram, H.-M. Chang and C.-H. Cheng	3635	Highly chemoselective coupling of allenylstannanes with organic iodides promoted by $Pd(PPh_3)_4$/LiCl: an efficient method for the synthesis of substituted allenes
A. Baran, C. Kazaz, H. Seçen and Y. Sütbeyaz	3643	Synthesis of haloconduritols from an *endo*-cycloadduct of furan and vinylene carbonate

H. Nagano, H. Ohkouchi and T. Yajima	3649	Remote substituent effect favoring the formation of *syn*-adducts in the chelation controlled radical reactions of γ-benzyloxy-α-methylenecarboxylic acid esters
M. Soukri, S. Lazar, M. D. Pujol, M. Akssira, J. M. Leger, C. Jarry and G. Guillaumet	3665	Synthesis of new compounds containing the 2,3-dihydro[1,4]dioxino[2,3-*b*]pyridine heterocyclic system as a substructure
	I	Instructions to contributors

NUMBER 21

Contents

	v	Contributors to this issue
	3673	Graphical abstracts
J. B. Sweeney and A. A. Cantrill	3677	Preparation and ring-opening reactions of *N,O*-bis(diphenylphosphinyl) hydroxymethylaziridine ('Di-Dpp')
N. Horasan, Y. Kara, A. Azizoğlu and M. Balci	3691	Low and high temperature bromination of exocyclic dienes: high temperature bromination. Part 16
D. A. McMorran and P. J. Steel	3701	Syntheses and X-ray crystal structures of poly(pyridylsulfanylmethyl)arenes: new multi-armed molecules
S. Naya and M. Nitta	3709	Synthesis and properties of novel 5-(cyclohepta-2′,4′,6′-trienylidene)-pyrimidine-2(1*H*),4(3*H*),6(5*H*)-triones: methodology for synthesizing cyclohepta[*b*]pyrimido-[5,4-*d*]furan-8(7*H*),10(9*H*)-dionylium tetrafluoroborates
I. Le Roy, D. Mouysset, S. Mignani, M. Vuilhorgne and L. Stella	3719	Solid phase β-lactams synthesis using the Staudinger reaction, monitored by ^{19}F NMR spectroscopy
A. A. Ahmed, T. Gáti, T. A. Hussein, A. T. Ali, O. A. Tzakou, M. A. Couladis, T. J. Mabry and G. Tóth	3729	Ligustolide A and B, two novel sesquiterpenes with rare skeletons and three 1,10-*seco*-guaianolide derivatives from *Achillea ligustica*
I. C. F. R. Ferreira, M.-J. R. P. Queiroz and G. Kirsch	3737	Palladium-catalyzed amination and cyclization to heteroannellated indoles and carbazoles
S. Tanimori, U. Inaba, Y. Kato and M. Kirihata	3745	A simple and easy access to 3-*N*-alkyl-5-vinyloxazolidinones mediated by palladium–phosphine catalysts
G. Kaupp, M. R. Naimi-Jamal and J. Schmeyers	3753	Solvent-free Knoevenagel condensations and Michael additions in the solid state and in the melt with quantitative yield
V. Raghukumar, D. Thirumalai, V. T. Ramakrishnan, V. Karunakara and P. Ramamurthy	3761	Synthesis of nicotinonitrile derivatives as a new class of NLO materials
J. Christoffers, H. Oertling, P. Fischer and W. Frey	3769	Studies on the α-acetylation of δ-valerolactone and ε-caprolactone
H. Fang, C. Zhao, G. Li and Z. Xi	3779	Reaction of aluminacyclopentadienes with aldehydes affording cyclopentadiene derivatives
	I	Instructions to contributors

NUMBER 22

Contents

Tetrahedron Symposium-in-Print Number 96

Recent developments in dendrimer chemistry

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	v	Contributors to this issue
	3787	Announcement: Tetrahedron Symposia-in-Print
	3791	Graphical abstracts
	3797	Preface
D. A. Tomalia, B. Huang, D. R. Swanson, H. M. Brothers, II and J. W. Klimash	3799	Structure control within poly(amidoamine) dendrimers: size, shape and regiochemical mimicry of globular proteins
H.-F. Chow, T. K.-K. Mong, Y.-H. Chan and C. H. K. Cheng	3815	A new class of protein mimics: preparation and electrophoretic properties of polycationic β-alanine-based dendrimers
I. B. Rietveld, E. Kim and S. A. Vinogradov	3821	Dendrimers with tetrabenzoporphyrin cores: near infrared phosphors for in vivo oxygen imaging
Y. Rio, G. Accorsi, H. Nierengarten, C. Bourgogne, J.-M. Strub, A. Van Dorsselaer, N. Armaroli and J.-F. Nierengarten	3833	A fullerene core to probe dendritic shielding effects
C. Saudan, V. Balzani, P. Ceroni, M. Gorka, M. Maestri, V. Vicinelli and F. Vögtle	3845	Dendrimers with a cyclam core. Absorption spectra, multiple luminescence, and effect of protonation
T. L. Chasse, J. C. Yohannan, N. Kim, Q. Li, Z. Li and C. B. Gorman	3853	Dendritic encapsulation-roles of cores and branches
M. Brewis, M. Helliwell and N. B. McKeown	3863	Phthalocyanine-centred and naphthalocyanine-centred aryl ether dendrimers with oligo(ethyleneoxy) surface groups
A. E. Beezer, A. S. H. King, I. K. Martin, J. C. Mitchel, L. J. Twyman and C. F. Wain	3873	Dendrimers as potential drug carriers; encapsulation of acidic hydrophobes within water soluble PAMAM derivatives
R. Roy and J. M. Kim	3881	Cu(II)-Self-assembling bipyridyl-glycoclusters and dendrimers bearing the Tn-antigen cancer marker: syntheses and lectin binding properties
M. M. K. Boysen and T. K. Lindhorst	3895	'Sugaring' carbosilane dendrimers via hydrosilylation
B. Buschhaus, W. Bauer and A. Hirsch	3899	Synthesis and chiroptical properties of a new type of chiral depsipeptide dendrons
M. R. Rauckhorst, P. J. Wilson, S. A. Hatcher, C. M. Hadad and J. R. Parquette	3917	'Locking' dendrimer conformation through metal coordination
A. Herrmann, G. Mihov, G. W. M. Vandermeulen, H.-A. Klok and K. Müllen	3925	Peptide-functionalized polyphenylene dendrimers
W. Maes, D. B. Amabilino and W. Dehaen	3937	Synthesis of novel dendrimers containing pyrimidine units
S. Lebreton, S.-E. How, M. Buchholz, B.-E. Yingyongnarongkul and M. Bradley	3945	Solid-phase construction: high efficiency dendrimer synthesis using AB_3 isocyanate-type monomers

G. R. Newkome, K. S. Yoo, S.-H. Hwang and C. N. Moorefield	3955	Metallodendrimers: homo- and heterogeneous tier construction by bis(2,2′: 6′,2″-terpyridinyl)Ru(II) complex connectivity
C.-O. Turrin, V. Maraval, J. Leclaire, E. Dantras, C. Lacabanne, A.-M. Caminade and J.-P. Majoral	3965	Surface, core, and structure modifications of phosphorus-containing dendrimers. Influence on the thermal stability
B. Romagnoli, P. R. Ashton, L. M. Harwood, D. Philp, D. W. Price, M. H. Smith and W. Hayes	3975	Synthesis and properties of polyaromatic dendrimers possessing a repetitive amide–ester coupling sequence
R. Kreiter, R. J. M. Klein Gebbink and G. van Koten	3989	Design and synthesis of tris[bis(benzylammonium)aryl]phosphines with bulky *meta*-substituents
G. M. Dykes and D. K. Smith	3999	Supramolecular dendrimer chemistry: using dendritic crown ethers to reversibly generate functional assemblies
M. Niwa, T. Higashizaki and N. Higashi	4011	Aggregation properties of oligo(methacrylic acid)-shelled dendrimer and its micro-environment in aqueous solutions
V. Istratov, H. Kautz, Y.-K. Kim, R. Schubert and H. Frey	4017	Linear-dendritic nonionic poly(propylene oxide)–polyglycerol surfactants
	I	Instructions to contributors

NUMBER 23

Contents

	v	Contributors to this issue
	4025	Graphical abstracts
H. Helmboldt and M. Hiersemann	4031	Synthesis and Lewis acid catalyzed Claisen rearrangement of 2-(1,3-oxazolin-2-yl)-substituted allyl vinyl ethers
S. K. Chittimalla and C.-C. Liao	4039	Diels–Alder reactions of masked *o*-benzoquinones with acrylonitrile
I. Krizmanić, A. Višnjevac, M. Luić, L. Glavaš-Obrovac, M. Žinić and B. Žinić	4047	Synthesis, structure, and biological evaluation of C-2 sulfonamido pyrimidine nucleosides
Y. Tanaka, Y. Nakahara, H. Hojo and Y. Nakahara	4059	Studies directed toward the synthesis of protein-bound GPI anchor
M. Dukh, D. Šaman, J. Kroulík, I. Černý, V. Pouzar, V. Král and P. Drašar	4069	Metal coordination as a tool for controlling the self-assembling and gelation properties of novel type cholic amide–phenanthroline gelating agent
F. Sartillo-Piscil, S. Cruz, M. Sánchez, H. Höpfl, C. Anaya de Parrodi and L. Quintero	4077	Conformational analysis of cyclic phosphates derived from 5-C′ substituted 1,2-*O*-isopropylidene-α-D-xylofuranose derivatives
J. A. Marco, M. Carda, S. Rodríguez, E. Castillo and M. N. Kneeteman	4085	Synthesis of conjugated γ- and δ-lactones from aldehydes and ketones via a vinylation(allylation)-ring closing metathesis–oxidation sequence
M.-H. Shih and M.-Y. Yeh	4103	Access to the syntheses of sydnonyl-substituted α,β-unsaturated ketones and 1,3-dihydro-indol-2-ones by modified Knoevenagel reaction
M. Shirai, H. Kuwabara, S. Matsumoto, H. Yamamoto, A. Kakehi and M. Noguchi	4113	Reaction of 2-substituted-4-oxo-4*H*-pyrido[1,2-*a*]pyrimidine-3-carbaldehyde oximes with electron-deficient olefins and acetylenes
M. Noguchi, S. Matsumoto, M. Shirai and H. Yamamoto	4123	Generation of NH-azomethine imine intermediates through the 1,2-hydrogen shift of hydrazones and their intermolecular cycloaddition reaction with olefinic dipolarophiles
S. A. Ahmed, M. Tanaka, H. Ando, H. Iwamoto and K. Kimura	4135	Chromened *t*-butylcalix[4]arenes: cooperation effect of chromene and calixarene moieties on photochromism and metal-ion binding ability

P. Camps, E. Gómez, D. Muñoz-Torrero, M. Font-Bardia and X. Solans	4143	Synthesis of diastereomeric 13-amido-substituted huprines as potential high affinity acetylcholinesterase inhibitors
M. Jaspars, B. J. Morrison and O. C. Musgrave	4153	Acid-induced dimerisation of 1,2-di(thien-2-yl)ethanone
S. Naya and M. Nitta	4157	Synthesis and properties of bis(heteroazulen-3-yl)methyl cations and bis(heteroazulen-3-yl)ketones
R. Robiette, N. Defacqz, J. Stofferis and J. Marchand-Brynaert	4167	[4+2] Cycloaddition of 1-aminodienes and 2-substituted vinylphosphonates: application to asymmetric synthesis of 3-amino-5-phosphono-1-cyclohexene derivatives
N. Al-Maharik and N. P. Botting	4177	Synthesis of lupiwighteone via a *para*-Claisen–Cope rearrangement
T. S. Jagodziński, J. G. Sośnicki and A. Wesołowska	4183	Reactions of β-keto thioamides with α,β-unsaturated aldehydes. Synthesis of 6-hydroxypiperidine-2-thiones and 6*H*-thiopyrans
S.-H. Qi, L. Chen, D.-G. Wu, Y.-B. Ma and X.-D. Luo	4193	Novel tetranortriterpenoid derivatives from *Munronia henryi*
X. Wang and Y. Zhang	4201	Samarium diiodide promoted formation of 1,2-diketones and 1-acylamido-2-substituted benzimidazoles from *N*-acylbenzotriazoles
L. Ning, J. Zhan, G. Qu, L. Zhong, H. Guo, K. Bi and D. Guo	4209	Biotransformation of triptolide by *Cunninghamella blakesleana*
A. Ata, R. G. Kerr, C. E. Moya and R. S. Jacobs	4215	Identification of anti-inflammatory diterpenes from the marine gorgonian *Pseudopterogorgia elisabethae*
O. Muñoz-Muñiz and E. Juaristi	4223	Enantioselective alkylation and protonation of prochiral enolates in the asymmetric synthesis of β-amino acids
	I	Instructions to contributors

NUMBER 24

Contents

	v	Contributors to this issue
	4231	Graphical abstracts
W. Zhang and G. Pugh	4237	Free radical reactions for heterocycle synthesis. Part 7: 2-Bromobenzoic acids as building blocks in the construction of spirobenzolactones and spirobenzolactams
M. M. Tamarez, R. W. Franck and A. Geer	4249	The cycloaddition way to novel deoxy disaccharide analogs
A. Dondoni and D. Perrone	4261	A convenient synthesis of iminosugar-*C*-glycosides via organometallic addition to *N*-benzyl-*N*-glycosylhydroxylamines
A. J. McCarroll, J. A. Crayston and J. C. Walton	4275	Electron transfer induced dissociations of 2- and 4-alkyl cyclohexadienones
M. Incze, I. Moldvai, E. Temesvári-Major, G. Dörnyei, M. Kajtár-Peredy and Cs. Szántay	4281	Chemistry of indoles carrying a basic function. Part 8: A new approach to the ergoline skeleton
S. Dratch, T. Charnikhova, F. C. E. Sarabèr, B. J. M. Jansen and A. de Groot	4287	A new approach toward the synthesis of C,D-*cis* coupled steroid and C,D-*cis* coupled D-homosteroid skeletons
S. Bátori, E. Gács-Baitz, S. Bokotey and A. Messmer	4297	Chemical reactivity of [1,2,3]triazolo[1,5-*a*]- and [1,5-*c*]-pyrimidinium salts
U. Gran	4303	Synthesis of a new and versatile macrocyclic NADH model

K. C. Majumdar, S. Sarkar and T. Bhattacharrya	4309	Studies in pyrimidine-annulated heterocycles: unusual formation of spiro-heterocyclic compounds from acid catalyzed reaction of enol ether
A. Nemchik, V. Badescu and O. Phanstiel, IV	4315	*N*-(Benzoyloxy)amines: an investigation of their thermal stability, synthesis, and incorporation into novel peptide constructs
T. Satoh, S. Sugiyama, Y. Kamide and H. Ota	4327	Conjugate addition of lithium ester enolates to 1-chlorovinyl *p*-tolyl sulfoxides: a novel synthesis of functionalized esters and lactones having a tertiary or a quaternary carbon at the β-position
H. Tamiaki, M. Omoda, Y. Saga and H. Morishita	4337	Synthesis of homologously pure bacteriochlorophyll-*e* and *f* analogues from BChls-*c*/*d* via transformation of the 7-methyl to formyl group and self-aggregation of synthetic zinc methyl bacteriopheophorbides-*c*/*d*/*e*/*f* in non-polar organic solvent
S. Oi, M. Moro, H. Fukuhara, T. Kawanishi and Y. Inoue	4351	Rhodium-catalyzed addition of arylstannanes to carbon–heteroatom double bond
A. Gillmore, C. Lauret and S. M. Roberts	4363	A route to the structure proposed for puetuberosanol and approaches to the natural products marshrin and phebalosin
C. M. Marson, L. D. Farrand, R. Brettle and D. A. Dunmur	4377	Highly efficient syntheses of 3-aryl-2-cycloalken-1-ones and an evaluation of their liquid crystalline properties
M. G. Cabiddu, E. Cadoni, S. De Montis, C. Fattuoni, S. Melis and M. Usai	4383	A re-examination of the methylenation reaction
S. Zhu, G. Jin and Y. Xu	4389	A new method for the synthesis of *N*-protected β-amino-α-keto esters from fluoro-alkanesulfonylazides and α-keto esters
W. Peng and S. Zhu	4395	Efficient synthesis of 5-fluoroalkylated 1*H*-1,2,3-triazoles and application of the bromodifluoromethylated triazole to the synthesis of novel bicyclic *gem*-difluorinated 1*H*-pyrano[3,4-*d*][1,2,3]-triazol-4-one compounds
X.-M. Li, K.-S. Huang, M. Lin and L.-X. Zhou	4405	Studies on formic acid-catalyzed dimerization of isorhapontigenin and of resveratrol to tetralins
E. Wagner-Wysiecka, E. Luboch, M. Kowalczyk and J. F. Biernat	4415	Chromogenic macrocyclic derivatives of azoles—synthesis and properties
K. Van Rompaey, I. Van den Eynde, N. De Kimpe and D. Tourwé	4421	A versatile synthesis of 2-substituted 4-amino-1,2,4,5-tetrahydro-2-benzaze-pine-3-ones
J. Thibonnet, M. Abarbri, J.-L. Parrain and A. Duchêne	4433	Stereoselective access to functionalized β-γ unsaturated acids
L. Fitjer, R. Gerke, J. Weiser, G. Bunkoczi and J. E. Debreczeni	4443	Helical primary structures of four-membered rings: (*M*)-trispiro[3.0.0.3.2.2]tri-decane
C. W. G. Fishwick, R. Grigg, V. Sridharan and J. Virica	4451	Sequential azomethine imine cycloaddition–palladium catalysed cyclisation processes
	I	Instructions to contributors

NUMBER 25

Contents

	v	Contributors to this issue
	4469	Graphical abstracts
		Tetrahedron report number 640
W. Zhang	4475	Fluorous technologies for solution-phase high-throughput organic synthesis
		Articles
S. Herrero, M. T. García-López, E. Cenarruzabeitia, J. Del Río and R. Herranz	4491	Versatile synthesis of chiral 2-substituted-5-oxo-1,2,3,4-tetrahydro-5*H*-1,4-benzodiazepines as novel scaffolds for peptidomimetic building
L. Colombo, M. Di Giacomo, V. Vinci, M. Colombo, L. Manzoni and C. Scolastico	4501	Synthesis of new bicyclic lactam peptidomimetics by ring-closing metathesis reactions
P. C. Eklund and R. E. Sjöholm	4515	Oxidative transformation of the natural lignan hydroxymatairesinol with 2,3-dichloro-5,6-dicyano-1,4-benzoquinone
A. Michrowska, M. Bieniek, M. Kim, R. Klajn and K. Grela	4525	Cross-metathesis reaction of vinyl sulfones and sulfoxides
M. Taniguchi, K. Suzumura, K. Nagai, T. Kawasaki, T. Saito, J. Takasaki, K. Suzuki, S. Fujita and S. Tsukamoto	4533	Structure of YM-254890, a Novel $G_{q/11}$ Inhibitor from *Chromobacterium* sp. QS3666
H. Satoh, H. Koshino, J. Uzawa and T. Nakata	4539	CAST/CNMR: highly accurate ^{13}C NMR chemical shift prediction system considering stereochemistry
Y. Tanaka, K. Nishimura and K. Tomioka	4549	Chiral ligand-controlled catalytic asymmetric epoxidation of α,β-unsaturated carbonyl compounds with peroxide
L. Pochet, M. Dieu, R. Frédérick, A.-M. Murray, I. Kempen, B. Pirotte and B. Masereel	4557	Investigation of the inhibition mechanism of coumarins on chymotrypsin by mass spectrometry
F. Chéry, M. Desroses, A. Tatibouët, O. De Lucchi and P. Rollin	4563	Synthesis of sugar-based ethenyl ethers through a vinyl bis-sulfone methodology
R. Tripier, F. Chuburu, M. Le Baccon and H. Handel	4573	Phenylglyoxal for polyamines modification and cyclam synthesis
M. Noguchi, M. Shirai, K. Nakashima, I. Arai, A. Nishida, H. Yamamoto and A. Kakehi	4581	Stereoselective pyrroline-ring formation through the cyclization of conjugated azomethine ylides at the periphery of pyrido[1,2-*a*]pyrimidine system
C. A. Tsoleridis, J. Stephanidou-Stephanatou, P. Gounaridis, H. Zika and M. Pozarentzi	4591	Unusual reaction of *N*-aroyldihydrocyclopenta-pyrazolidinol with ketenes: formation of 1,3,4-oxadiazoles
D. Tadic, J. T. M. Linders, J. L. Flippen-Anderson, A. E. Jacobson and K. C. Rice	4603	Probes for narcotic receptor mediated phenomena. Part 31: Synthesis of *rac*-(3*R*,6a*S*,11a*S*)-2-methyl-1,3,4,5,6,11a-hexahydro-2*H*-3,6a-methanobenzofuro-[2,3-*c*]azocine-10-ol, and azocine-8-ol, the *ortho*-c and the *para*-c oxide-bridged phenylmorphan isomers
E. M. Beccalli, F. Clerici and M. L. Gelmi	4615	A new synthetic procedure to spiro[cyclohexane-1,3′-indoline]-2′,4-diones
A. Bhattacharjee, S. Datta, P. Chattopadhyay, N. Ghoshal, A. P. Kundu, A. Pal, R. Mukhopadhyay, S. Chowdhury, A. Bhattacharjya and A. Patra	4623	Synthesis of chiral oxepanes and pyrans by 3-*O*-allylcarbohydrate nitrone cycloaddition (3-OACNC)
W. Peng and S. Zhu	4641	The synthesis of 2,4-dienyl fluoroalkyl ketones by a tandem three-stage sequence of propargyl 2-fluoroalkylvinyl ether formation, Claisen rearrange-ment, and allene-to-conjugated diene isomerization

S. Ito, T. Okujima, C. Kabuto and N. Morita	4651	Preparation, characterization, and cycloaddition reaction of the heterocumulenes attached directly to azulenes. An efficient strategy for the preparation of azulene-substituted heterocycles
A. Arcadi, S. Cacchi, G. Fabrizi, F. Marinelli and L. M. Parisi	4661	Highly substituted furans from 2-propynyl-1,3-dicarbonyls and organic halides or triflates via the oxypalladation-reductive elimination domino reaction
M. J. Plater and T. Jackson	4673	Polyaromatic amines. Part 3: Synthesis of poly(diarylamino)styrenes and related compounds
M. J. Plater and T. Jackson	4687	Polyaromatic amines. Part 4: Synthesis of poly(ethynyl) linked aromatic amines
	I	Instructions to contributors

NUMBER 26

Contents

	4693	Graphical abstracts
		Tetrahedron report number 641
V. M. Dembitsky	4701	Oxidation, epoxidation and sulfoxidation reactions catalysed by haloperoxidases
		Articles
F. J. R. Rombouts, J. Van den Bossche, S. M. Toppet, F. Compernolle and G. J. Hoornaert	4721	Synthesis and conformational analysis of Substance P antagonist analogues based on a 1,7-naphthyridine scaffold
U. Chiacchio, A. Corsaro, J. Mates, P. Merino, A. Piperno, A. Rescifina, G. Romeo, R. Romeo and T. Tejero	4733	Isoxazolidine analogues of pseudouridine: a new class of modified nucleosides
G. Hobley, K. Stuttle and M. Wills	4739	Studies of intramolecular alkylidene carbene reactions; an approach to heterocyclic nucleoside bases
V. I. Teberekidis and M. P. Sigalas	4749	Structure and stability of halonium cations of cycloalkenes. A theoretical study
H. Hazarkhani and B. Karimi	4757	A facile synthesis of new 3-(2-benzimidazolyl)-2-alkyl-4-(3*H*)-quinazolinones under microwave irradiation
J. Sołoducho, J. Doskocz, J. Cabaj and S. Roszak	4761	Practical synthesis of bis-substituted tetrazines with two pendant 2-pyrrolyl or 2-thienyl groups, precursors of new conjugated polymers
C. Mukherjee, S. Kamila and A. De	4767	Application of directed metalation in synthesis. Part 4: Expedient synthesis of substituted benzo[*b*]thiophene and naphthothiophene
A. Szczepańska, P. Sałański and J. Jurczak	4775	Synthesis of macrocyclic tetraamides derived from α-amino acids and their investigations using ESI-MS technique
A. A. Esmaili, M. Ghereghloo, M. R. Islami and H. R. Bijanzadeh	4785	One-pot synthesis of stable phosphonium ylides using 2-aminothiophenol
N. K. Gusarova, S. I. Shaikhudinova, S. N. Arbuzova, T. I. Vakul'skaya, B. G. Sukhov, L. M. Sinegovskaya, M. V. Nikitin, A. G. Mal'kina, N. A. Chernysheva and B. A. Trofimov	4789	Regio- and stereospecific addition of phosphines to cyanoacetylenes
D. H. Hua, X. Huang, M. Tamura, Y. Chen, M. Woltkamp, L.-W. Jin, E. M. Perchellet, J.-P. Perchellet, P. K. Chiang, I. Namatame and H. Tomoda	4795	Syntheses and bioactivities of tricyclic pyrones
A. R. Díaz-Marrero, E. Dorta, M. Cueto, J. Rovirosa, A. San-Martín, A. Loyola and J. Darias	4805	Labdane diterpenes with a new oxidation pattern from the marine pulmonate *Trimusculus peruvianus*

N. Watanabe, Y. Nagashima, T. Yamazaki and M. Matsumoto	4811	Fluoride-induced chemiluminescent decomposition of dioxetanes bearing a siloxyaryl moiety to produce an alkyl aryl ketone as an emitter
M. DellaGreca, A. Fiorentino, M. Isidori, L. Previtera, F. Temussi and A. Zarrelli	4821	Benzocoumarins from the rhizomes of *Juncus acutus*
L. Begum, J. M. Box, M. G. B. Drew, L. M. Harwood, J. L. Humphreys, D. J. Lowes, G. A. Morris, P. M. Redon, F. M. Walker and R. C. Whitehead	4827	Difluorinated analogues of shikimic acid
X. Guo, D. Zhang, H. Zhang, Q. Fan, W. Xu, X. Ai, L. Fan and D. Zhu	4843	Donor–acceptor–donor triads incorporating tetrathiafulvalene and perylene diimide units: synthesis, electrochemical and spectroscopic studies
X. Huang and J. Tang	4851	Solid phase synthesis of benzothiazole and thiophene derivatives based on resin-bound cyclic malonic acid ester
T. Kitayama, T. Yokoi, Y. Kawai, R. K. Hill, M. Morita, T. Okamoto, Y. Yamamoto, V. V. Fokin, K. B. Sharpless and S. Sawada	4857	The chemistry of zerumbone. Part 5: Structural transformation of the dimethylamine derivatives
K. Miyashita, H. Murafuji, H. Iwaki, E. Yoshioka and T. Imanishi	4867	Artificial model for cystathionine β-synthase: construction of a catalytic cycle with a pyridoxal model compound having an ionophore function
K. Miyashita, H. Murafuji, H. Iwaki, E. Yoshioka and T. Imanishi	4873	Artificial model for cystathionine β-synthase: efficient β-replacement reaction with thiols employing a novel pyridoxal model compound having an imidazole function
X.-B. Shao, X.-K. Jiang, X.-Z. Wang, Z.-T. Li and S.-Z. Zhu	4881	A novel strapped porphyrin receptor for molecular recognition
M. M. M. Raposo and G. Kirsch	4891	Formylation, dicyanovinylation and tricyanovinylation of 5-alkoxy- and 5-amino-substituted 2,2′-bithiophenes
M. J. González-Moa, C. Terán and R. A. Mosquera	4901	An electron density study on *cis*-1-(2-hydroxymethyl-cyclopentenyl)uracils
G. Chen, Y. Lin, L. Wen, L. L. P. Vrijmoed and E. B. Gareth Jones	4907	Two new metabolites of a marine endophytic fungus (No. 1893) from an estuarine mangrove on the South China Sea coast
J.-L. Vasse, V. Levacher, J. Bourguignon and G. Dupas	4911	Chiral biomimetic NADH models in the benzo[*b*]-1,6-naphthyridine series. A novel class of stable, reactive and highly enantioselective NADH mimics
	I	Tetrahedron reports on organic chemistry
	XXVII	Instructions to contributors

NUMBER 27

Contents

	v	Contributors to this issue
	4923	Graphical abstracts
S. Naya, H. Miyama, K. Yasu, T. Takayasu and M. Nitta	4929	Novel synthesis and properties of 7,9-dimethylcyclohepta[*b*]pyrimido[5,4-*d*]thiophen-8(7*H*),10(9*H*)-dionylium tetrafluoroborate: autorecycling oxidation of some alcohols under photo-irradiation
A. Padwa, A. Zanka, M. P. Cassidy and J. M. Harris	4939	An efficient synthesis of furyl sulfonamides from the reaction of furan with in situ generated *N*-tosyl imines
K. Tanaka, T. Hata, H. Hara and S. Katsumura	4945	Development of new Wittig reagent, silylfuranmethylid, and its reactivity
M. A. Guerrero, R. Cruz-Almanza and L. D. Miranda	4953	Oxidative radical cyclization on enamide systems using *n*-Bu_3SnH and dilauroyl peroxide

S. Yasuike, S. Okajima, K. Yamaguchi, H. Seki and J. Kurita	4959	New optically active organoantimony (BINASb) and bismuth (BINABi) compounds comprising a 1,1′-binaphthyl core: synthesis and their use in transition metal-catalyzed asymmetric hydrosilylation of ketones
M. Yus and J. Gomis	4967	Chemoselective acylation of some oxidofunctionalised organolithium compounds
A.-S. Rebstock, F. Mongin, F. Trécourt and G. Quéguiner	4973	Synthesis and metallation of 2-(pyridyl)benzoic acids and ethyl 2-(pyridyl)benzoates: a new route to azafluorenones
Y.-J. Jang, W.-W. Lin, Y.-K. Shih, J.-T. Liu, M.-H. Hwang and C.-F. Yao	4979	A one-pot, two step synthesis of 2,2-disubstituted 1-nitroalkenes
M. R. Islami, Z. Hassani, H. Sheibani, B. Abdolahzadeh and N. Etminan	4993	Chemoselective synthesis of stable phosphorus ylides containing a β-amino group
M. Gruttadauria, L. F. Liotta, G. Deganello and R. Noto	4997	Chromium(VI) supported and entrapped on silica and zirconia as recyclable materials for oxidation of alcohols
E. Franchi, G. Ingrosso, F. Marchetti and C. Pinzino	5003	Guaiazulene-based phenolic radical scavengers: synthesis, properties, and EPR studies of their reaction with oxygen-centred radicals
A. Kumar and S. S. Pawar	5019	Salt effects on the Baylis–Hillman reaction
M. Kapoor, S. N. Dhawan, S. Mor, S. C. Bhatia, S. C. Gupta and M. S. Hundal	5027	Stereoselective synthesis of *Z*-3-alkoxy-2-[(4′-methoxyphenyl)methylidene]-1(3*H*)-isobenzofuranones
A. Arnone, G. Candiani, G. Nasini and R. Sinisi	5033	Isolation and structure elucidation of new sesquiterpenes of protoilludane origin from the fungus *Clavicorona divaricata*
T. Vermonden, D. Branowska, A. T. M. Marcelis and E. J. R. Sudhölter	5039	Synthesis of 4-functionalized terdendate pyridine-based ligands
J. Rogiers, W. M. De Borggraeve, S. M. Toppet, F. Compernolle and G. J. Hoornaert	5047	Stereoselective transformation of pyrazinones into substituted analogues of *cis*-5-amino-6-oxo-2-piperidinemethanol and *cis*-5-amino-2-piperidinemethanol
S. Kosemura	5055	Meroterpenoids from *Penicillium citreo-viride* B. IFO 4692 and 6200 hybrid
D. Döpp, A. A. Hassan, A.-F. E. Mourad, A. M. Nour El-Din, K. Angermund, C. Krüger, C. W. Lehmann and J. Rust	5073	New reaction of ethenetetracarbonitrile with *N*-arylisoindolines
G. Sotgiu, L. Favaretto, G. Barbarella, L. Antolini, G. Gigli, M. Mazzeo and A. Bongini	5083	Synthesis, single crystal X-ray structure and optical properties of 3,4-dimethyldithieno[2,3-*b*:3′,2′-*d*]thiophene-7,7-dioxide
J.-J. Helesbeux, O. Duval, D. Guilet, D. Séraphin, D. Rondeau and P. Richomme	5091	Regioselectivity in the ene reaction of singlet oxygen with *ortho*-prenylphenol derivatives
T. Furuike, K. Yamada, T. Ohta, K. Monde and S.-I. Nishimura	5105	An efficient synthesis of a biantennary sialooligosaccharide analog using a 1,6-anhydro-β-lactose derivative as a key synthetic block
O. Roy, G. Pattenden, D. C. Pryde and C. Wilson	5115	A concise enantioselective synthesis of a fully oxygen substituted ring A taxol precursor
Y. Hari, S. Obika, M. Sekiguchi and T. Imanishi	5123	Selective recognition of CG interruption by 2′,4′-BNA having 1-isoquinolone as a nucleobase in a pyrimidine motif triplex formation
	I	Instructions to contributors

NUMBER 28

Contents

	v	Contributors to this issue
	5129	Graphical abstracts
		Tetrahedron report number 642
P. Virta, J. Katajisto, T. Niittymäki and H. Lönnberg	5137	Solid-supported synthesis of oligomeric bioconjugates
		Articles
A. Nayek, M. G. B. Drew and S. Ghosh	5175	Convenient route to enantiopure aryl cyclopentanes via Diels–Alder reaction of asymmetric dienes. Total synthesis of (+)-herbertene and (+)-cuparene
M. Yus, B. Maciá and C. Gómez	5183	1,3-Dichloro-2-butene: a useful precursor for the 2-butene-1,3-dianion and its corresponding 1,3-dipolar synthon
C. Xue and F.-T. Luo	5193	Synthesis of oligo(*p*-phenylene–vinylene–thienylene)s as potential red light-emitting materials
F. Alonso, E. Lorenzo, J. Meléndez and M. Yus	5199	Straight and versatile synthesis of substituted perhydrofuro[2,3-*b*]pyrans from 2-chloromethyl-3-(2-methoxyethoxy)propene
S. Mann, D. Lesage, J.-C. Tabet and A. Marquet	5209	Identification of the products of reaction between pyridoxal phosphate and amiclenomycin and other related 1-amino-cyclohexa-2,5-dienes
S. Chimichi, M. Boccalini, B. Cosimelli, F. Dall'Acqua and G. Viola	5215	New 5-(2-ethenylsubstituted)-3(2*H*)-furanones with in vitro antiproliferative activity
G. Molteni and A. Ponti	5225	Assessment of mechanistic hypotheses of 1,3-dipolar cycloaddition of (aryl-sulfonyl)allene to nitrilimines by DFT reactivity indices
B. Richichi, S. Cicchi, U. Chiacchio, G. Romeo and A. Brandi	5231	Stereoselective synthesis of new bicyclic *N,O-iso*-homonucleoside analogues
L. Patiny, J.-F. Guichou, M. Keller, O. Turpin, T. Rückle, P. Lhote, T. M. Buetler, U. T. Ruegg, R. M. Wenger and M. Mutter	5241	Synthesis and characterization of constrained cyclosporin A derivatives containing a pseudo-proline group
A. Trabocchi, G. Menchi, M. Rolla, F. Machetti, I. Bucelli and A. Guarna	5251	Enantiospecific synthesis of 3-aza-6,8-dioxa-bicyclo[3.2.1]octane carboxylic acids from erythrose
P. Del Buttero, G. Molteni, A. Papagni and T. Pilati	5259	The intramolecular aromatic nucleophilic substitution as a route to tricyclic β-lactams. Synthesis of the novel 4-oxa-7-azabicyclo[4.2.0]octane skeleton
M. V. Raiman, A. V. Pukin, V. I. Tyvorskii, N. De Kimpe and O. G. Kulinkovich	5265	A convenient approach to the synthesis of 2-(2-aminoethyl)pyrroles and their heterocyclization into hydrogenated pyrrolopyridines and related pyrrolo-indolizines
D. Guérin, R. Carlier, M. Guerro and D. Lorcy	5273	Crown-ether annelated dithiadiazafulvalenes
A. Klásek, K. Kořistek, A. Lyčka and M. Holčapek	5279	Reaction of 1-alkyl/aryl-3-amino-1*H*,3*H*-quinoline-2,4-diones with urea. Synthetic route to novel 3-(3-acylureido)-2,3-dihydro-1*H*-indol-2-ones, 4-alkylidene-1′*H*-spiro[imidazolidine-5,3′-indole]-2,2′-diones, and 3,3a-dihydro-5*H*-imidazo[4,5-*c*]-quinoline-2,4-diones
K. C. Majumdar, A. Bandyopadhyay and A. Biswas	5289	Regioselective synthesis of pentacyclic heterocycles by sequential [3,3] sigmatropic rearrangement of 2-(4′-aryloxybut-2′-ynyl-mercapto)thiochromen-4-ones
A. Anikin, M. Maslov, J. Sieler, S. Blaurock, J. Baldamus, L. Hennig, M. Findeisen, G. Reinhardt, R. Oehme and P. Welzel	5295	Synthesis of a 1α-amino-1-deoxy analogue of forskolin
H. Suzuki, H. Morita, S. Iwasaki and J. Kobayashi	5307	New antimitotic bicyclic peptides, celogentins D–H, and J, from the seeds of *Celosia argentea*

H.-J. Knölker and M. Wolpert	5317	Transition metal complexes in organic synthesis. Part 68: Iron-mediated total synthesis of mukonine and mukonidine by oxidative cyclization with air as the oxidizing agent
D. Cao, S. Dobis, D. Schollmeyer and H. Meier	5323	Rearrangement of the carbon skeleton in the intramolecular photoadduct of anthracene and benzene rings
N. Azizi and M. R. Saidi	5329	Synthesis of tertiary α-amino phosphonate by one-pot three-component coupling mediated by LPDE
J. S. Yadav, B. V. S. Reddy and K. S. Reddy	5333	Ultrasound-accelerated synthesis of chiral allylic alcohols promoted by indium metal
K. Wakasugi, A. Nakamura, A. Iida, Y. Nishii, N. Nakatani, S. Fukushima and Y. Tanabe	5337	Novel and efficient method for esterification, amidation between carboxylic acids and equimolar amounts of alcohols, and amines utilizing Me_2NSO_2Cl and *N,N*-dimethylamines; its application to the synthesis of coumaperine, a natural chemopreventive dieneamide
T. Ito, T. Tanaka, M. Iinuma, I. Iliya, K. Nakaya, Z. Ali, Y. Takahashi, R. Sawa, Y. Shirataki, J. Murata and D. Darnaedi	5347	New resveratrol oligomers in the stem bark of *Vatica pauciflora*
P. Rajakumar, M. Srisailas and R. Kanagalatha	5365	Synthesis of annularly functionalized cyclophanes
P. Rajakumar and M. Srisailas	5373	Synthesis of a new class of electron rich chiral cyclophanes with large cavities
D. A. Ockey, M. A. Lewis and N. E. Schore	5377	A short synthesis of (±)-tecomanine via a Pauson–Khand-based route
M. D'hooghe, W. Van Brabandt and N. De Kimpe	5383	Synthesis of quaternary allylammonium salts via ring opening of 1-benzyl-2-(bromomethyl)aziridines
	I	Instructions to contributors

NUMBER 29

Contents

	v	Contributors to this issue
	5387	Graphical abstracts
		Tetrahedron report number 643
J. Tois, R. Franzén and A. Koskinen	5395	Synthetic approaches towards indoles on solid phase recent advances and future directions
		Articles
B. Fairley, N. P. Botting and A. Cassidy	5407	The synthesis of daidzein sulfates
L. D. S. Yadav, S. Dubey and B. S. Yadav	5411	Solvent-free one-pot reactions for annulating a pyrimidine ring on thiazoles under microwave irradiation
S. Caddick, D. B. Judd, A. K. de K. Lewis, M. T. Reich and M. R. V. Williams	5417	A generic approach for the catalytic reduction of nitriles
Y. A. Ibrahim, N. A. Al-Awadi and K. Kual	5425	Flash vacuum pyrolysis of azo and nitrosophenols: new routes towards hydroxyarylnitrenes and their reactions
I. Roy and M. N. Gupta	5431	Non-thermal effects of microwaves on protease-catalyzed esterification and transesterification
G. Giacomelli, L. De Luca and A. Porcheddu	5437	A method for generating nitrile oxides from nitroalkanes: a microwave assisted route for isoxazoles

M. M. Sá, G. P. Silveira, A. J. Bortoluzzi and A. Padwa	5441	Synthesis of dimethylphosphorylamino diazo esters by a selective tandem Staudinger/Arbuzov rearrangement sequence of azido diazo esters with trimethylphosphite
I. Lavandera, S. Fernández, M. Ferrero and V. Gotor	5449	Novel and efficient syntheses of 3′,5′-diamino derivatives of 2′,3′,5′-trideoxycytidine and 2′,3′,5′-trideoxyadenosine. Protonation behavior of 3′,5′-diaminonucleosides
E. Saniger, J. M. Campos, A. Entrena, J. A. Marchal, I. Suárez, A. Aránega, D. Choquesillo, J. Niclós, M. Á. Gallo and A. Espinosa	5457	Medium benzene-fused oxacycles with the 5-fluorouracil moiety: synthesis, antiproliferative activities and apoptosis induction in breast cancer cells
R. F. G. Fröhlich, H. Griengl and R. Saf	5469	Chiral ferrocene cyanohydrin derivatives—access to novel intermolecularly linked and intramolecularly bridged ferrocene derivatives
A. Khrimian, A. Kh. Margaryan and W. F. Schmidt	5475	An improved synthesis of ethyl *cis*-5-iodo-*trans*-2-methylcyclohexane-carboxylate, a potent attractant for the Mediterranean fruit fly
T. C. Govaerts, I. A. Vogels, F. Compernolle and G. J. Hoornaert	5481	Diels–Alder reactions of pyridinone *o*-quinodimethanes generated from substituted sulfolene[3,4-*c*]pyridin-4(1*H*)-ones
Y. Pan, Z. Peng and J. S. Melinger	5495	Synthesis and optical properties of conjugated dendrimers with unsymmetrical branching
S. W. Dantale and B. C. G. Söderberg	5507	A novel palladium-catalyzed synthesis of β-carbolines: application in total synthesis of naturally occurring alkaloids
J. M. Aurrecoechea, M. Arrate, J. H. Gil and B. López	5515	Direct carbohydrate to carbocycle conversions via intramolecular allylation with Et_2Zn/Pd(0)
S. Menichetti and C. Viglianisi	5523	[2+4] vs [4+2] Cycloaddition reactions of *o*-thioquinones with 1,3-dienes
R. Kolanoś, W. Wysocka and T. Brukwicki	5531	A comparative study of NMR chemical shifts of sparteine thiolactams and lactams
A. Sartori, A. Casnati, L. Mandolini, F. Sansone, D. N. Reinhoudt and R. Ungaro	5539	The first synthesis and characterisation of elusive cone 1,2-diformyl tetralkoxycalix[4]arenes and their derivatives
A. A. Esmaeili and M. Darbanian	5545	Reaction between alkyl isocyanides and dialkyl acetylenedicarboxylates in the presence of *N*-alkyl isatins: convenient synthesis of γ-spiro-iminolactones
K. M. Khan, G. M. Maharvi, S. Hayat, Zia-Ullah, M. I. Choudhary and Atta-ur-Rahman	5549	An expedient esterification of aromatic carboxylic acids using sodium bromate and sodium hydrogen sulfite
G. Catanoso and E. Vecchi	5555	To what extent does the substituent conformation influence the kinetics of addition reactions on 5X-bicyclo[4.4.0]decan-2-ones?
O. Sénèque and O. Reinaud	5563	Selective functionalization at the small rim of calix[6]arene. Synthesis of novel non-symmetrical N_3, N_4 and N_2ArO biomimetic ligands
Y. Nagano, A. Orita and J. Otera	5569	Diversification of shotgun process
M. Gavagnin, M. Carbone, E. Mollo and G. Cimino	5579	Further chemical studies on the Antarctic nudibranch *Austrodoris kerguelenensis*: new terpenoid acylglycerols and revision of the previous stereochemistry
F. F. Fleming, V. Gudipati and O. W. Steward	5585	Alkynenitriles: stereoselective chelation controlled conjugate addition–alkyl-ations
A. Marsh, N. W. Alcock, W. Errington and R. Sagar	5595	Synthesis and characterisation of new ditopic receptors for guanosine
T. Okuzumi, E. Nakanishi, T. Tsuji and S. Makino	5603	Efficient solid-phase synthesis of quinazoline-2,4-diones with various sub-stituents on aromatic rings
J. Zhang, Y. Zhang, Y. Zhang and J. W. Herndon	5609	Synthesis of benzofurans through coupling of dienylacetylenes with carbene complexes: total synthesis of egonol
	I	Instructions to contributors

NUMBER 30

Contents

v Contributors to this issue

5617 Graphical abstracts

Tetrahedron report number 644

R. E. Taylor, F. C. Engelhardt and M. J. Schmitt 5623 Biosynthetic inspirations: cationic approaches to cyclopropane formation

Articles

F. Ye, A. Orita, A. Doumoto and J. Otera 5635 Double elimination protocol for access to unsymmetrically substituted aromatic polyynes starting from sulfones and aldehydes

M. Inoue, J. Wang, G.-X. Wang, Y. Ogasawara and M. Hirama 5645 Divergent synthesis of the tetracyclic ethers of 6-*X*-7-6 ring systems

G. Kalaus, L. Léder, I. Greiner, M. Kajtár-Peredy, K. Vékey, L. Szabó and C. Szántay 5661 Synthesis of vinca alkaloids and related compounds. Part 102: Simple synthesis and ring transformation of (±)-minovincine. First synthesis of (±)-vincaminine

Y. Shen, X. Feng, Y. Li, G. Zhang and Y. Jiang 5667 A mild and efficient cyanosilylation of ketones catalyzed by a Lewis acid–Lewis base bifunctional catalyst

W. Krasodomski, M. K. Łuczyński, J. Wilamowski and J. J. Sepioł 5677 Synthesis of alkylphenanthrenes from naphthylalkylidenemalonodinitriles. A route to 1-methyl-, 2-methyl-, and 1,2-dimethylphenanthrene

A. Yokooji, T. Okazawa, T. Satoh, M. Miura and M. Nomura 5685 Palladium-catalyzed direct arylation of thiazoles with aryl bromides

I. Suzuki, A. Shigenaga, A. Manabe, H. Nemoto and M. Shibuya 5691 Synthesis, reactions and DNA damaging abilities of 10-membered enediyne-sulfone and related compounds

G. Fernandez-Lorente, J. M. Palomo, J. Cocca, C. Mateo, P. Moro, M. Terreni, R. Fernandez-Lafuente and J. M. Guisan 5705 Regio-selective deprotection of peracetylated sugars via lipase hydrolysis

A. Avenoza, J. H. Busto, F. Corzana, G. Jiménez-Osés and J. M. Peregrina 5713 Conformational analysis of *N*-Boc-*N,O*-isopropylidene-α-serinals. A combined DFT and NMR study

T. J. Chow, N.-R. Chiu, H.-C. Chen, C.-Y. Chen, W.-S. Yu, Y.-M. Cheng, C.-C. Cheng, C.-P. Chang and P.-T. Chou 5719 Photoinduced electron transfer reaction tuned by donor–acceptor pairs via the rigid, linear spacer heptacyclo[6.6.0.0^{2,6}.0^{3,13}.0^{4,11}.0^{5,9}.0^{10,14}]tetradecane

J. F. Bickley, S. M. Roberts, Y. Runhui, J. Skidmore and C. B. Smith 5731 Stereocontrolled conversion of some optically active (4*S*,5*R*)-dihydroisoxazoles into acyclic 3-acetamido-1,2-diols

A. Li, X. She, J. Zhang, T. Wu and X. Pan 5737 Synthesis of C-7 oxidized abietane diterpenes from racemic ferruginyl methyl ether

C.-X. Zhou, J.-Y. Liu, W.-C. Ye, C.-H. Liu and R.-X. Tan 5743 Neoverataline A and B, two antifungal alkaloids with a novel carbon skeleton from *Veratrum taliense*

M. Adamczyk, S. R. Akireddy, P. G. Mattingly and R. E. Reddy 5749 Synthesis of hapten–phosphoramidites from 2′-deoxyuridine

K. Pitchumani, M. Warrier, L. S. Kaanumalle and V. Ramamurthy 5763 Triplet photochemistry within zeolites through heavy atom effect, sensitization and light atom effect

E. Aqad, P. Leriche, G. Mabon, A. Gorgues, M. Allain, A. Riou, A. Ellern and V. Khodorkovsky 5773 Base-catalyzed condensation of cyclopentadiene derivatives. Synthesis of fulvalene analogues: strong proaromatic electron acceptors

I Instructions to contributors

NUMBER 31

Contents

	v	Contributors to this issue
	5783	Graphical abstracts
		Tetrahedron report number 645
J. Muzart	5789	Palladium-catalysed oxidation of primary and secondary alcohols
		Articles
H. M. C. Ferraz, A. M. Aguilar and L. F. Silva, Jr.	5817	A diastereoselective total synthesis of the sesquiterpene (±)-mutisianthol
C. W. Edwards, D. M. Haddleton, D. Morsley, M. R. Shipton and M. Wills	5823	Synthesis and preliminary studies on a novel class of soluble amino alcohol reagents based on methacrylate copolymers
N. Sato and Q. Yue	5831	An efficient synthesis of cyanoarenes and cyanoheteroarenes via lithiation followed by electrophilic cyanation
H. Xu, G. R. Kinsel, J. Zhang, M. Li and D. M. Rudkevich	5837	Calixarene amino acids; building blocks for calixarene peptides and peptide-dendrimers
B. Bibal, J.-P. Declercq, J.-P. Dutasta, B. Tinant and A.-G. Valade	5849	Thiophosphorylated cavitand: structure and affinity towards soft metal ions
P. Cuadrado, A. M. González-Nogal, A. Sánchez and M. A. Sarmentero	5855	New evidence on the regiochemistry of the *tert*-butyldiphenylsilylcupration of allene using the silylcuprate or silylcopper reagent
M. A. Brimble, J. H. Park and C. M. Taylor	5861	Synthesis of the spiroacetal fragment of broussonetine H
J. M. Chezal, E. Moreau, O. Chavignon, C. Lartigue, Y. Blache and J. C. Teulade	5869	Efficient synthesis of novel dipyridoimidazoles and pyrido[1′,2′;1,2]imidazo-[4,5-*d*]-pyridazine derivatives
H. Bruyère, S. Ballereau, M. Selkti and J. Royer	5879	Asymmetric synthesis of 5-(1-hydroxyalkyl)-5-methyl-5*H*-furan-2-ones
M. A.-M. Gomaa and D. Döpp	5887	Reaction of N^1,N^2-diarylamidines with 3,4,5,6-tetrachloro-1,2-benzoquinone
Z. Kałuża, A. Kazimierski, K. Lewandowski, K. Suwińska, B. Szczęsna and M. Chmielewski	5893	A new synthetic approach to 5-dethia-4-methyl-5-oxacephems
J. Bukuru, T. Nguyen Van, L. Van Puyvelde, W. He and N. De Kimpe	5905	New pentacyclic cyclol-type naphthohydroquinone from the roots of *Pentas bussei*
E. Kato, H. Nagano, S. Yamamura and M. Ueda	5909	Synthetic inhibitor of leaf-closure that reveals the biological importance of leaf-movement for the survival of leguminous plants
P. Tapolcsányi, B. U. W. Maes, K. Monsieurs, G. L. F. Lemière, Z. Riedl, G. Hajós, B. Van den Driessche, R. A. Dommisse and P. Mátyus	5919	Synthesis of the dibenzo[f,h]phthalazine and dibenzo[f,h]cinnoline skeleton via a 'Suzuki–Pd-catalyzed intramolecular arylation' and a 'Suzuki–Pschorr' approach
A. Śliwińska and A. Zwierzak	5927	Regioselective aminobromination of terminal alkenes
M. Jereb, S. Stavber and M. Zupan	5935	Direct iodination of indanone and tetralone derivatives by elemental iodine activated by Selectfluor™ F-TEDA-BF_4
T. Nguyen Van and N. De Kimpe	5941	Synthesis of 6*H*-naphtho[2,3-*c*]chromene-7,12-diones via palladium-catalyzed intramolecular cyclization of 2-bromo-3-aryloxymethyl-1,4-naphthoquinones
	I	Instructions to contributors

NUMBER 32

Contents

	v	Contributors to this issue
	5947	Graphical abstracts
		Tetrahedron report number 646
O. I. Kolodiazhnyi	5953	Multiple stereoselectivity and its application in organic synthesis
		Articles
Y. Suzuki, K. Koike, M. Nagahisa and T. Nikaido	6019	New picrotoxane terpenoids from *Picrodendron baccatum*
W. Zhang, C. P. Landee, R. D. Willett and M. M. Turnbull	6027	Structure and isomerization in 4,4′-biimidazoles: a comparison of crystal structures and theoretical calculations of 2,2′-dimethyl-4,4′-biimidazole and 2,2′-dimethyl-4,4′-biimidazolium bis-trifluoroactate
T. Eguchi, E. Watanabe and K. Kakinuma	6035	Practical enantioselective synthesis of fully deuterated (*R*)-mevalonolactone
J. Shiina and S. Nishiyama	6039	Intramolecular Diels–Alder reaction leading to tricyclic derivatives as inter-mediates of natural products synthesis
A. Luxenburger	6045	A facile synthetic approach to the core structure of 6,7-didehydrocarnosoic acid type derivatives
Z. Régaïnia, J.-Y. Winum, F.-Z. Smaine, L. Toupet, N.-E. Aouf and J.-L. Montero	6051	General synthesis of *n*-membered cyclic sulfamides
I. Maciągiewicz, P. Dybowski and A. Skowrońska	6057	A general and stereoselective method for synthesis of tri- and tetrasubstituted alkenes
A. A. Aly	6067	New cycloaddition reaction between 4-arylidene-2-phenyl-5(4*H*)-1,3-oxa-zolones and benzyne; facile synthesis of 1,4(*H*)-benzoxazepine-2-ones and their *N*-phenyl derivatives
A. E. Wróblewski and W. Karolczak	6075	Synthesis of enantiomeric 9-(2′,3′,4′-trihydroxybutyl)adenine derivatives from L-ascorbic and D-isoascorbic acids
I. Yavari, A. Alizadeh, M. Anary-Abbasinejad and H. R. Bijanzadeh	6083	Reaction between alkyl isocyanides and dibenzoylacetylene in the presence of strong NH-acids: synthesis of highly functionalized aminofurans
X.-Z. Wang, Z.-J. Yao, H. Liu, M. Zhang, D. Yang, C. George and T. R. Burke, Jr.	6087	Synthesis of a phosphotyrosyl analogue having χ_1, χ_2 and ϕ angles constrained to values observed for an SH2 domain-bound phosphotyrosyl residue
C. Yuan, C. Xu and Y. Zhang	6095	Enzymatic synthesis of optically active 1- and 2-aminoalkanephosphonates
J. H. Hong, C.-H. Oh and J.-H. Cho	6103	Stereocontrolled synthesis of novel 6′(α)-hydroxy carbovir analogues
T. H. Kurniadi, R. B. Rhlid, M.-A. Juillerat, T. Gefflaut, J. Bolte and R. G. Berger	6109	Total chemical synthesis of 2-ethenyl-3,5-dimethylpyrazine and 3-ethenyl-2,5-dimethylpyrazine
K.'A. Mustafa, H. G. Kjaergaard, N. B. Perry and R. T. Weavers	6113	Hydrogen-bonded rotamers of 2′,4′,6′-trihydroxy-3′-formyldihydrochalcone, an intermediate in the synthesis of a dihydrochalcone from *Leptospermum recurvum*
J. Fraga-Dubreuil and J. P. Bazureau	6121	Efficient combination of task-specific ionic liquid and microwave dielectric heating applied to one-pot three component synthesis of a small library of 4-thiazolidinones
I. Gupta and M. Ravikanth	6131	Synthesis of *meso*-furyl porphyrins with N_4, N_3S, N_2S_2 and N_3O porphyrin cores
	I	Instructions to contributors

NUMBER 33

Contents

	v	Contributors to this issue
	6141	Graphical abstracts
		Tetrahedron report number 647
M. Yus, C. Nájera and F. Foubelo	6147	The role of 1,3-dithianes in natural product synthesis
		Articles
C. Neumann, A. P. Junquera, C. Wismach, P. G. Jones and R. Streubel	6213	Synthesis of functional Δ^3-1,3,5-oxazaphospholene and 2*H*-1,4,2-diaza-phosphole complexes via catalytic ring expansion reactions of a 2*H*-azaphosphirene complex
J. S. Bryans, N. E. A. Chessum, N. Huther, A. F. Parsons and F. Ghelfi	6221	Metal-catalysed radical cyclisations leading to *N*-heterocycles: new approaches to gabapentin and pulchellalactam
L. R. Domingo, S. Gil, M. Parra, J. A. Sáez and M. Torres	6233	Experimental and theoretical investigations for the tandem alkylation–isomerization reactions between unsaturated carboxylic acids and allyl halides
E. Artale, G. Banfi, L. Belvisi, L. Colombo, M. Colombo, L. Manzoni and C. Scolastico	6241	Synthesis of substituted conformationally constrained 6,5- and 7,5-fused bicyclic lactams as dipeptide mimics
B. Gabriele, G. Salerno, A. Fazio and R. Pittelli	6251	Versatile synthesis of (*Z*)-1-alkylidene-1,3-dihydroisobenzofurans and 1*H*-isochromenes by palladium-catalyzed cycloisomerization of 2-alkynylbenzyl alcohols
M. Mąkosza and M. Surowiec	6261	Oxidative nucleophilic substitution of hydrogen in nitroarenes by silyl enol ethers
R. Durán-Patrón, A. J. Colmenares, A. Montes, J. R. Hanson, R. Hernández-Galán and I. G. Collado	6267	Studies on the biosynthesis of secobotryane skeleton
S. Ma and J. Zhang	6273	TFA-mediated intramolecular Friedel–Crafts reaction. An efficient metal and halogen free route to stereoselective synthesis of benzocycles
R. G. Soengas, J. C. Estévez and R. J. Estévez	6285	Two new examples of the rare C→O migration of ethoxycarbonyl groups
A. Kamimura, Y. Omata, K. Tanaka and M. Shirai	6291	Oxyoxazolidinone as an auxiliary for heterocyclic synthesis. Enantioselective formation of *N*-unprotected 2-pyrrolidones from selenocarboxylate and allylamines via radical cyclization
K. Hori, K. Yoshimura, H. Ohno, K. Onimura and T. Oishi	6301	Theoretical study on the polymerization mechanism of substituted maleimides by using a chiral catalyst with Zn^{2+}
G. Sarodnick, M. Heydenreich, T. Linker and E. Kleinpeter	6311	Quinoxalines. Part 12: Synthesis and structural study of 1-(thiazol-2-yl)-1*H*-pyrazolo[3,4-*b*]quinoxalines—the dehydrogenative cyclization with hydroxylamine hydrochloride
T. L. Scott and B. C. G. Söderberg	6323	Palladium-catalyzed synthesis of 1,2-dihydro-4(3*H*)-carbazolones. Formal total synthesis of murrayaquinone A
S. Calvet, O. David, C. Vanucci-Bacqué, M.-C. Fargeau-Bellassoued and G. Lhommet	6333	Chiral heterocyclic β-enamino esters: convenient synthesis and diastereo-selective reduction
C.-Y. Liu, C.-C. Chen, Y.-J. Shie, L.-W. Chung, T.-S. Cheng, M.-Y. Shie, S.-Y. Lin and Y.-L. Tsai	6341	Stereoselectivity, periselectivity, and regioselectivity in the cycloadditions of 8-(*p*-chlorophenyl)-8-azaheptafulvene with cyclopentadiene and fulvenes
A. Sarhan, Y. Nouchi and T. Izumi	6353	Synthesis and electrochemical studies of ferrocene-dithiafulvalenes (Fc-DTF) and 1,1′-bis(dithiafulvalenyl)ferrocene (DTF-Fc-DTF). An approach towards new conducting organic materials

L. F. Frey, K. M. Marcantonio, C. Chen, D. J. Wallace, J. A. Murry, L. Tan, W. Chen, U. H. Dolling and E. J. J. Grabowski	6363	Practical synthesis of a highly functionalized thiazole ketone
F. Toudic, A. Heyndericxx, N. Plé, A. Turck and G. Quéguiner	6375	Regioselective synthesis and metallation of tributylstannylfluoropyrazines. Application to the synthesis of some new fluorinated liquid crystals diazines. Part 34
	I	Instructions to contributors

NUMBER 34

Contents

	v	Contributors to this issue
	6385	Graphical abstracts
J. Qin and G. K. Friestad	6393	Stereocontrol in hydride addition to ketone-derived chiral *N*-acylhydrazones
Y. Kumarasamy, P. J. Cox, M. Jaspars, L. Nahar and S. D. Sarker	6403	Isolation, structure elucidation and biological activity of hederacine A and B, two unique alkaloids from *Glechoma hederaceae*
L. Cermenati, D. Dondi, M. Fagnoni and A. Albini	6409	Titanium dioxide photocatalysis of adamantane
A. Martínez, M.-V. Vázquez, J. L. Carreón-Macedo, L. E. Sansores and R. Salcedo	6415	Benzene fused five-membered heterocycles. A theoretical approach
W. Zhu, G. Gumina, R. F. Schinazi and C. K. Chu	6423	Synthesis and anti-HIV activity of L-β-3′-*C*-cyano-2′,3′-unsaturated nucleosides and L-3′-*C*-cyano-3′-deoxyribonucleosides
O. J.-C. Nicaise, D. M. Mans, A. D. Morrow, E. V. Hefti, E. M. Palkovacs, R. K. Singh, M. A. Zukowska and M. D. Morin	6433	Stable enols from Grignard addition to 1,2-diesters: serendipity rules
H. K. Lee, J. S. Chun and C. S. Pak	6445	Facile conversion of 2-azetidinones to 2-piperidones: application to a formal synthesis of *Prosopis* and *Cassia* alkaloids
M. Arnó, L. Betancur-Galvis, J. G. Bueno-Sanchez, M. A. González and R. J. Zaragozá	6455	Synthesis and antiviral activity of scopadulcic acids analogues
Y. Hayakawa, R. Nagata, A. Hirata, M. Hyodo and R. Kawai	6465	A facile synthesis of cyclic bis(3′→5′)diguanylic acid
C. W. Edwards, M. R. Shipton, N. W. Alcock, H. Clase and M. Wills	6473	Synthesis and application to asymmetric allylic amination of substituted monodonor diazaphospholidine ligands
S. Maiorana, A. Papagni, E. Licandro, R. Annunziata, P. Paravidino, D. Perdicchia, C. Giannini, M. Bencini, K. Clays and A. Persoons	6481	A convenient procedure for the synthesis of tetrathia-[7]-helicene and the selective α-functionalisation of terminal thiophene ring
Md. M. Baag, A. Kar and N. P. Argade	6489	*N*-Bromosuccinimide-dibenzoyl peroxide/azabisisobutyronitrile: a reagent for *Z*- to *E*-alkene isomerization
D. Pappo and Y. Kashman	6493	Synthesis of 9-substituted tetrahydrodiazepinopurines—asmarine A analogues
A. Frankowski, D. Deredas, E. Dubost, F. Gessier, S. Jankowski, M. Neuburger, C. Seliga, T. Tschamber and K. Weinberg	6503	Stereocontrolled synthesis of imidazolo[1,5]hexopiperidinoses and imidazol-4(5)-yl-*C*-glycosides
G. V. M. Sharma and T. Gopinath	6521	Radical cyclisation approach for the synthesis of (+)dihydrocanadensolide, (+)dihydrosporothriolide and their C-3 epimers from D-xylose

M.-Y. Ríos, F. Velázquez and H. F. Olivo	6531	The Meinwald reaction of alkyl propionates. Synthesis of the C1–C9 fragment of aurisides
L. Calcul, A. Longeon, A. A. Mourabit, M. Guyot and M.-L. Bourguet-Kondracki	6539	Novel alkaloids of the aaptamine class from an Indonesian marine sponge of the genus *Xestospongia*
M. Zaja, S. J. Connon, A. M. Dunne, M. Rivard, N. Buschmann, J. Jiricek and S. Blechert	6545	Ruthenium olefin metathesis catalysts with modified styrene ethers: influence of steric and electronic effects
J. Kawakami, M. Takeba, I. Kamiya, N. Sonoda and A. Ogawa	6559	Rhodium-catalyzed highly selective thioformylation of acetylenes with thiols and carbon monoxide
B. M. Illescas, R. Martínez-Alvarez, J. Fernández-Gadea and N. Martín	6569	Synthesis of water soluble fulleropyrrolidines bearing biologically active aryl-piperazines
H. Sugiyama, F. Yokokawa and T. Shioiri	6579	Total synthesis of mycothiazole, a polyketide heterocycle from marine sponges
C. Wawrzeńczyk, M. Grabarczyk, A. Białońska and Z. Ciunik	6595	Lactones. Part 16: Lactonization of γ,δ-epoxy esters with *p*-toluenesulfonic acid monohydrate
X. He, J. Li, H. Gao, F. Qiu, K. Hu, X. Cui and X. Yao	6603	Four new andrographolide metabolites in rats
Y. Nishiyama, H. Kawabata, T. Nishino, K. Hashimoto and Noboru Sonoda	6609	Dehalogenation of *o*-dihalogen substituted arenes and α,α′-dihalogen substituted *o*-xylenes with lanthanum metal
V. Rys, A. Couture, E. Deniau and P. Grandclaudon	6615	First total synthesis of fumaridine
W.-G. Wei and Z.-J. Yao	6621	A practical procedure for multisubstituted β-naphthols and their derivatives
K. Takami, S. Mikami, H. Yorimitsu, H. Shinokubo and K. Oshima	6627	Triethylborane-induced radical reactions with gallium- and indium hydrides
S. Jayaprakash, G. Pattenden, M. S. Viljoen and C. Wilson	6637	Synthesis of novel proline–thiazole based cyclic hexa- and octapeptides
K. Sakaguchi, M. Higashino and Y. Ohfune	6647	Acid-catalyzed rearrangement of α-hydroxytrialkylsilanes
J. Perron, B. Joseph and J.-Y. Mérour	6659	Synthesis of 4-substituted azepino[3,4-*b*]indole-1,5-diones
	I	Instructions to contributors

NUMBER 35

Contents

Tetrahedron Symposium-in-Print Number 97

Art, Science and Technology in Total Synthesis

Tetrahedron Prize for Creativity in Organic Chemistry 2002 K. C. Nicolaou

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	vii	Contributors to this issue
	6667	Announcement: Tetrahedron Symposia-in-Print
	6671	Graphical abstracts
	6679	Preface
	6681	Biographical sketch: Professor K. C. Nicolaou
K. C. Nicolaou	6683	Perspectives in total synthesis: a personal account
J. Matsuo, D. Iida, H. Yamanaka and T. Mukaiyama	6739	*N-tert*-Butylbenzenesulfenamide-catalyzed oxidation of alcohols to the corresponding carbonyl compounds with *N*-chlorosuccinimide
K. F. W. Hekking, F. L. van Delft and F. P. J. T. Rutjes	6751	Ring-closing metathesis of α-ester-substituted enol ethers: application to the shortest synthesis of KDO
F. Ek, L.-G. Wistrand and T. Frejd	6759	Synthesis of fused tetrazole- and imidazole derivatives via iodocyclization
H. H. Wasserman, A. K. Petersen and M. Xia	6771	Application of acyl cyanophosphorane methodology to the synthesis of protease inhibitors: poststatin, eurystatin, phebestin, probestin and bestatin
F. Avemaria, S. Vanderheiden and S. Bräse	6785	The aza-xylylene Diels–Alder approach for the synthesis of naturally occurring 2-alkyl tetrahydroquinolines
D. Depré, L.-Y. Chen and L. Ghosez	6797	A short multigram asymmetric synthesis of prostanoid scaffolds
S. Reber, T. F. Knöpfel and E. M. Carreira	6813	Enantioselective total synthesis of (*R*)-strongylodiols A and B
S. M. Berberich, R. J. Cherney, J. Colucci, C. Courillon, L. S. Geraci, T. A. Kirkland, M. A. Marx, M. F. Schneider and S. F. Martin	6819	Total synthesis of (+)-ambruticin S
I. Paterson and M. Tudge	6833	A fully stereocontrolled total synthesis of (+)-leucascandrolide A
T. Baba, G. Huang and M. Isobe	6851	Synthesis of the JKLM-ring fragment of ciguatoxin
E. J. Tisdale, B. G. Vong, H. Li, S. H. Kim, C. Chowdhury and E. A. Theodorakis	6873	Total synthesis of *seco*-lateriflorone
T. Nemoto, T. Ohshima and M. Shibasaki	6889	Enantioselective total syntheses of (+)-decursin and related natural compounds using catalytic asymmetric epoxidation of an enone

D. Song, G. Blond and A. Fürstner	6899	Study towards bioactive pyrone derivatives from the marine red alga *Phacelocarpus labillardieri*
L. E. Overman and E. A. Peterson	6905	Enantioselective synthesis of (−)-idiospermuline
J. Tamiya and E. J. Sorensen	6921	A spontaneous bicyclization facilitates a synthesis of (−)-hispidospermidin
M. S. Leonard, D. B. Hauze, P. J. Carroll and M. M. Joullié	6933	Formation of yohimbanones via a novel rearrangement
J. E. Tønder and D. Tanner	6937	Toward the enantioselective total synthesis of lyngbyatoxin A: on the stereocontrolled introduction of the quaternary stereogenic centre
A. M. P. Koskinen and O. A. Kallatsa	6947	Polyhydroxylated indolizidine alkaloids—an efficient synthesis of 1-deoxy-8,8a-di-*epi*-castanospermine
D. A. Longbottom, A. J. Morrison, D. J. Dixon and S. V. Ley	6955	Total synthesis of the polyenoyltetramic acid polycephalin C
L. O. Haustedt, S. B. Panicker, M. Kleinert, I. V. Hartung, U. Eggert, B. Niess and H. M. R. Hoffmann	6967	Synthetic studies toward the disorazoles: synthesis of a masked northern half of disorazole D_1 and a cyclopropane analog of the masked northern half of disorazole A_1
A. Bertram, A. J. Blake, F. González-López de Turiso, J. S. Hannam, K. A. Jolliffe, G. Pattenden and M. Skae	6979	Concise synthesis of stereodefined, thiazole—containing cyclic hexa- and octapeptide relatives of the *Lissoclinums*, via cyclooligomerisation reactions
A. B. Smith, III, Y. S. Cho, G. R. Pettit and R. Hirschmann	6991	Design, synthesis, and evaluation of azepine-based cryptophycin mimetics
J. Uenishi and H. Ohmiya	7011	Novel synthesis of 5-thio-hexopyranoside: preparation of 5-thio-D- and L-glucose and 1,6-anhydro-5-thio-L- and D-altrose
S. J. Keding, A. Endo and S. J. Danishefsky	7023	Synthesis of non-natural glycosylamino acids containing tumor-associated carbohydrate antigens
W.-M. Chen, H. N. C. Wong, D. T. W. Chu and X. Lin	7033	Synthetic studies of erythromycin derivatives: 6-*O*-methylation of (9*S*)-12,21-anhydro-9-dihydroerythromycin A derivatives
S. Hanessian, H. Sailes and E. Therrien	7047	Synthesis of functionally diverse bicyclic sulfonamides as constrained proline analogues and application to the design of potential thrombin inhibitors
K. Toshima, T. Kimura, R. Takano, T. Ozawa, A. Ariga, Y. Shima, K. Umezawa and S. Matsumura	7057	Molecular design, chemical synthesis and biological evaluation of quinoxaline–carbohydrate hybrids as novel and selective photo-induced DNA cleaving and cytotoxic agents
A. Shivanyuk, J. C. Friese and J. Rebek, Jr.	7067	Anion dependent molecular recognition of cations
	I	Instructions to contributors

NUMBER 36

Contents

	v	Contributors to this issue
	7071	Graphical abstracts
		Tetrahedron report number 648
T. D. H. Bugg	7075	Dioxygenase enzymes: catalytic mechanisms and chemical models
		Articles
A. Correa, M. T. Herrero, I. Tellitu, E. Domínguez, I. Moreno and R. SanMartin	7103	An alternative approach towards novel heterocycle-fused 1,4-diazepin-2-ones by an aromatic amidation protocol

J. M. Aurrecoechea, J. H. Gil and B. López	7111	Substituent effects on the SmI_2/Pd(0)-promoted carbohydrate ring-contraction of 5-alkynylpyranosides
P. Štefanič, K. Turnšek and D. Kikelj	7123	Synthesis of alkyl 4-alkyl-2-hydroxy-3-oxo-3,4-dihydro-2*H*-1,4-benzoxazine-2-carboxylates as peptidomimetic building blocks
B. P. S. Khambay, D. G. Beddie, A. M. Hooper and M. S. J. Simmonds	7131	Isolation, characterisation and synthesis of an insecticidal tetramethyltetrahydrochromenedione-spiro-bicyclo[3.1.1]cycloheptane from two species of Myrtaceae
C. Tanyeli and Ç. Iyigün	7135	Manganese(III) acetate based oxidation of substituted α'-position on cyclic α,β-unsaturated ketones
V. J. Ram, P. Srivastava and A. Goel	7141	Synthesis of bridgedhead azolo[3,2-*a*]pyrimidines and imidazo[2,1-*b*]thiazines through ring transformation of 2*H*-pyran-2-ones
D. Montebugnoli, P. Bravo, E. Brenna, C. Mioskowski, W. Panzeri, F. Viani, A. Volonterio, A. Wagner and M. Zanda	7147	Traceless solid-phase synthesis of 2,4,6-chlorodiamino and triaminopyrimidines
A. K. Holmeide and L. Skattebøl	7157	Oxidative degradation of eicosapentaenoic acid into polyunsaturated aldehydes
S. M. Alesso, Z. Yu, D. Pears, P. A. Worthington, R. W. A. Luke and M. Bradley	7163	Improving resins for solid phase synthesis: incorporation of 1-[2-(2-methoxyethoxy)-ethoxy]-4-vinyl-benzene
M. K. W. Choi and P. H. Toy	7171	Soluble polystyrene-based sulfoxide reagents for Swern oxidation reactions
S. T. Cacatian and P. L. Fuchs	7177	Synthesis of allyl phosphine oxides/boranes via Horner reaction of bis(diphenylphosphine)ethane monoxide reagent with an aldehyde
B. Cosimelli, L. Lamartina, C. Z. Lanza, D. Spinelli, R. Spisani and F. Vegna	7189	On the reaction of 3-bromo-2-nitrobenzo[*b*]thiophene with some *ortho*-substi-tuted anilines: an analysis of the products of reaction and of their NMR and MS properties
A. K. Sanki and T. Pathak	7203	Synthesis of anomerically pure vinyl sulfone-modified pent-2-enofuranosides and hex-2-enopyranosides: a group of highly reactive Michael acceptors for accessing carbohydrate based synthons
M. M. Faul, J. L. Grutsch, M. E. Kobierski, M. E. Kopach, C. A. Krumrich, M. A. Staszak, U. Udodong, J. T. Vicenzi and K. A. Sullivan	7215	Strategies for the synthesis of *N*-(azacycloalkyl)bisindolylmaleimides: selective inhibitors of PKCβ
M. C. Pampín, J. C. Estévez, R. J. Estévez, M. Maestro and L. Castedo	7231	Heck-mediated synthesis and photochemically induced cyclization of [2-(2-styryl-phenyl)ethyl]carbamic acid ethyl esters and 2-styryl-benzoic acid methyl esters: total synthesis of naphtho[2,1*f*]isoquinolines (2-azachrysenes)
	I	Instructions to contributors

NUMBER 37

Contents

	v	Contributors to this issue
	7245	Graphical abstracts
		Tetrahedron report number 649
K. C. Majumdar, S. Ghosh and M. Ghosh	7251	The thio-Claisen rearrangement 1980–2001
		Articles
Y. A. Ibrahim, H. Behbehani, M. R. Ibrahim and R. N. Malhas	7273	Efficient synthesis of 16–28 membered macrocyclic crown amides via ring closing metathesis
R. Ballini, G. Bosica, A. Palmieri, M. Petrini and C. Pierantozzi	7283	Conjugate addition of nitroalkanes to dimethyl maleate. Regioselective formation of both monoesters of 2-alkylsuccinic acids

S. Naya and M. Nitta	7291	Synthesis, properties, and oxidizing function of 6-substituted 7,9-dimethylcyclohepta[*b*]pyrimido[5,4-*d*]pyrrole-8(7*H*),10(9*H*)-dionylium tetrafluoroborates
H. Ueki, T. K. Ellis, M. A. Khan and V. A. Soloshonok	7301	Highly diastereoselective synthesis of new, carbostyril-based type of conformationally-constrained β-phenylserines
M. Nakajima, S. Yamamoto, Y. Yamaguchi, S. Nakamura and S. Hashimoto	7307	Enantioselective Michael additions of β-keto esters to α,β-unsaturated carbonyl compounds catalyzed by a chiral biquinoline *N,N'*-dioxide–scandium trifluoromethanesulfonate complex
P. Lang, C. Gerez, D. Tritsch, M. Fontecave, J.-F. Biellmann and A. Burger	7315	Synthesis of 8-vinyladenosine 5′-di- and 5′-triphosphate: evaluation of the diphosphate compound on ribonucleotide reductase
Y. Ito, T. Kitada and M. Horiguchi	7323	Coerced photodimerization reaction in the solid state through amine salt formation
A. Herrera, R. Martínez-Alvarez and P. Ramiro	7331	The reaction of thioesters with nitriles. A new synthetic approach to the preparation of substituted 4-alkylthio- and 4-arylthiopyrimidine derivatives
A. F. Ahmed, R.-T. Shiue, G.-H. Wang, C.-F. Dai, Y.-H. Kuo and J.-H. Sheu	7337	Five novel norcembranoids from *Sinularia leptoclados* and *S. parva*
F. Kaiser and H.-G. Schmalz	7345	Synthetic analogues of the antibiotic pestalone
E. Da Silva and A. W. Coleman	7357	Synthesis and complexation properties towards amino acids of mono-substituted *p*-sulphonato-calix-[*n*]-arenes
P. Van de Weghe, S. Bourg and J. Eustache	7365	Electrophilic selenocyclization in 2-ene-1,5-diol systems: unexpected oxetane vs. tetrahydrofuran formation
J. U. Ortiz Mayo, M. Thomas, C. Saintomé and P. Clivio	7377	Facile synthesis of a *cis–syn* thymine dimer building block and its incorporation into oligodeoxynucleotides
B. W. Freer, R. A. Howie, O. C. Musgrave and J. M. S. Skakle	7385	3-Benzoyl-1,2,4,5-tetraphenylpentane-1.5-dione. A molecular paddlewheel
M. P. Coogan, R. Haigh, A. Hall, L. D. Harris, D. E. Hibbs, R. L. Jenkins, C. L. Jones and N. C. O. Tomkinson	7389	A new chiral diol derived from tetralone for the complexation of Lewis acids
G. Abbiati, A. C. de Carvalho and E. Rossi	7397	Cycloaddition reactions of 2,4-diphenyl-1,3-diazabuta-1,3-dienes with isocyanates and isothiocyanates
R. Saladino, V. Neri, A. R. Pelliccia and E. Mincione	7403	Selective epoxidation of monoterpenes with H_2O_2 and polymer-supported methylrheniumtrioxide systems
X. Qi, S.-H. Lee, J. Yoon and Y.-S. Lee	7409	Synthesis of novel taxoid analogue containing sulfur group on C-13 side-chain: 2′-deoxy-2′-*epi*-mercaptopaclitaxel
T. P. Prakash, A. M. Kawasaki, E. A. Lesnik, N. Sioufi and M. Manoharan	7413	Synthesis of 2′-*O*-[2-[(*N,N*-dialkylamino)oxy]ethyl]-modified oligonucleotides: hybridization affinity, resistance to nuclease, and protein binding characteristics
H. Tamiaki, S. Kimura and T. Kimura	7423	Self-aggregation of synthetic zinc 2^1-hydroxy-$12^1/13^1$-oxo-porphyrins
	I	Instructions to contributors

NUMBER 38

Contents

	v	Contributors to this issue
	7437	Graphical abstracts
	7443	Publishers' announcement
		Tetrahedron report number 650
A.-S. S. Hamad Elgazwy	7445	The chemistry of isothiazoles
		Articles
Y. Sekiyama, N. Palaniappan, K. A. Reynolds and H. Osada	7465	Biosynthesis of phoslactomycins: cyclohexanecarboxylic acid as the starter unit
P. Gomes, J. R. B. Gomes, M. Rodrigues and R. Moreira	7473	Amino acids as selective sulfonamide acylating agents
S. Kumar, H. M. Chawla and R. Varadarajan	7481	A convenient single step synthesis of *p*-thiomethylmethylcalixarenes and metal ion extraction studies
I. Nagy, D. Kónya, Z. Riedl, A. Kotschy, G. Timári, A. Messmer and G. Hajós	7485	Synthesis and transformations of tetrazolylacroleins
A. M. Shestopalov, Y. M. Emeliyanova, A. A. Shestopalov, L. A. Rodinovskaya, Z. I. Niazimbetova and D. H. Evans	7491	Cross-condensation of derivatives of cyanoacetic acid and carbonyl compounds. Part 1: Single-stage synthesis of 1′-substituted 6-amino-spiro-4-(piperidine-4′)-2*H*,4*H*-pyrano[2,3-*c*]pyrazole-5-carbonitriles
E. Le Gall, M. Troupel and J.-Y. Nédélec	7497	Nickel-catalyzed reductive coupling of chlorodiphenylphosphine with aryl bromides into functionalized triarylphosphines
J. H. Kim, H. J. Lim and S. H. Cheon	7501	A facile synthesis of (6*S*,1′*S*)-(+)-hernandulcin and (6*S*,1′*R*)-(+)-epi-hernandulcin
Z. Novák, G. Timári and A. Kotschy	7509	The first total synthesis of Cicerfuran utilizing a one-pot synthesis of hydroxylated benzofurans
C. Bonini, M. Funicello, R. Scialpi and P. Spagnolo	7515	Smiles rearrangement for the synthesis of 5-amino-substituted [1]benzothieno[2,3-*b*]-pyridine
E. A. Mamaeva and A. A. Bakibaev	7521	Oxidative azacyclization of 1-monosubstituted thioureas in reaction with [bis(acyl-oxy)iodo]arenes to form 1,2,4-thiadiazole derivatives
B. Guintchin and S. Bienz	7527	Stereoconvergent preparation of chiral vinylsilanes by cuprate substitution of α-acetoxyallylsilanes. Application to the synthesis of (*S*)-(+)-bishomomanicone
I. Simpura and V. Nevalainen	7535	Aluminum enolates via retroaldol reaction: catalytic tandem aldol-transfer—Tischtschenko reaction of aldehydes with aldol adducts of ketones to ketones
M.-Y. Chang, C.-Y. Chen, S.-T. Chen and N.-C. Chang	7547	Synthesis of fused bicyclic glutarimides
Y. Arakawa, T. Murakami, F. Ozawa, Y. Arakawa and S. Yoshifuji	7555	Stereospecific synthesis of new 2,3,4,5-piperidinetetracarboxylic acids and 2,3,5-piperidinetricarboxylic acids
M. K. Denk, M. J. Krause, D. F. Niyogi and N. K. Gill	7565	Reaction of 1,2-dibromoethane with primary amines: formation of *N,N′*-disubstituted ethylenediamines RNH–CH_2CH_2–NHR and homologous poly-amines RNH–$[CH_2CH_2NR]_n$–H
T. Konno, J. Chae, M. Kanda, G. Nagai, K. Tamura, T. Ishihara and H. Yamanaka	7571	Facile syntheses of various per- or polyfluoroalkylated internal acetylene derivatives
P. Lhoták, M. Himl, I. Stibor, J. Sýkora, H. Dvořáková, J. Lang and H. Petříčková	7581	Conformational behaviour of tetramethoxythiacalix[4]arenes: solution versus solid-state study
A. Arduini, E. Brindani, G. Giorgi, A. Pochini and A. Secchi	7587	Recognition of guests bearing donor and acceptor hydrogen bonding groups by heteroditopic calix[4]arene receptors

S. A. Farokhi and S. T. Nandibewoor	7595	Kinetic, mechanistic and spectral studies for the oxidation of sulfanilic acid by alkaline hexacyanoferrate(III)
K. Rubina, E. Abele, P. Arsenyan, M. Fleisher, J. Popelis, A. Gaukhman and E. Lukevics	7603	The role of palladium catalyst and base in stereoselective transformations of (*E*)-2-chlorovinylsulfides
Y.-J. Chen, F. Lei, L. Liu and D. Wang	7609	Highly diastereoselective synthesis of arylglycine derivatives via TFA-promoted Friedel–Crafts reactions of phenols with cyclic glyoxylate imines
F. Sun, F. Zhang, H. Guo, X. Zhou, R. Wang and F. Zhao	7615	Efficient synthesis and photochromic properties of 2,3-position hybrid diarylethene derivatives
	7623	Corrigendum
	I	Instructions to contributors

NUMBER 39

Contents

	v	Contributors to this issue
	7625	Graphical abstracts
		Tetrahedron report number 651
G. S. Singh	7631	Recent progress in the synthesis and chemistry of azetidinones
		Articles
K. K. Park, J. J. Lee and J. Ryu	7651	Photo-Fries rearrangement of *N*-arylsulfonamides to aminoaryl sulfone derivatives
A. K. Chakraborti, L. Sharma, R. Gulhane and Shivani	7661	Electrostatic catalysis by ionic aggregates: scope and limitations of $Mg(ClO_4)_2$ as acylation catalyst
A. V. Gulevskaya, O. V. Serduke, A. F. Pozharskii and D. V. Besedin	7669	6,8-Dimethylpyrimido[4,5-*c*]pyridazine-5,7(6*H*,8*H*)-dione: new heterocycliza-tions based on S_N^H-methodology. Unexpected formation of the first iso-π-electronic analogue of the still unknown dibenzo[*a*,*o*]pycene
L. Chęcińska, Z. H. Kudzin, M. Małecka, R. B. Nazarski and A. Okruszek	7681	[(Diphenoxyphosphinyl)methylidene]triphenylphosphorane—the double P,C-stabilised carbanion: a crystallographic, computational and solution NMR comparative study on the ylidic bonding
J. J. Parlow and M. S. South	7695	Synthesis of 2-pyridones as tissue factor VIIa inhibitors
F. Han, M. Hayashi and Y. Watanabe	7703	Regioselective phosphorylation of vicinal 3,4-hydroxy *myo*-inositol derivative promoted practical synthesis of D-PtdIns(4,5)P2 and D-Ins(1,4,5)P3
J. A. Carr and K. S. Bisht	7713	Enzyme-catalyzed regioselective transesterification of peracylated sophoro-lipids
V. Rossollin, V. Lokshin, A. Samat and R. Guglielmetti	7725	Reinvestigation of prototropic photochromism: 3-benzoyl-2-benzylchromones
D. Perdicchia, E. Licandro, S. Maiorana, C. Baldoli and C. Giannini	7733	A new 'one-pot' synthesis of hydrazides by reduction of hydrazones
F. J. Moreno-Dorado, Y. M. A. W. Lamers, G. Mironov, J. B. P. A. Wijnberg and A. de Groot	7743	Chemistry of (+)-aromadendrene. Part 6: Rearrangement reactions of ledene, isoledene and their epoxides
M. Bělohradský, M. Buděšínský, I. Císařová, V. Dekoj, P. Holý and J. Závada	7751	Macrocyclic *cis*- and *trans*-bis(α-amino acids) and their intraannular Cu(II) complexes. Conformational *in–out* dichotomy and crystal packing
A. Srikanth, G. Nagendrappa and S. Chandrasekaran	7761	Catalytic epoxidation of cyclic vinylsilanes by ruthenium(II) complexes under aerobic conditions

M. Kimura, R. Mukai, N. Tanigawa, S. Tanaka and Y. Tamaru	7767	Triethylborane as an efficient promoter for palladium-catalyzed allylation of active methylene compounds with allyl alcohols
D. Kakuta, Y. Hitotsuyanagi, N. Matsuura, H. Fukaya and K. Takeya	7779	Structures of new alkaloids sessilifoliamides A–D from *Stemona sessilifolia*
T. Caruso and A. Spinella	7787	Cs_2CO_3 Promoted coupling reactions for the preparation of skipped diynes
W. Tochtermann, D. Kuckling, C. Meints, J. Kraus and G. Bringmann	7791	Bridged bioxepines and bi[10]paracyclophanes—synthesis and absolute configuration of a bi[10]paracyclophane with two chiral planes and one chiral axis
R. Marković, M. Baranac, Z. Džambaski, M. Stojanović and P. J. Steel	7803	High regioselectivity in the heterocyclization of β-oxonitriles to 4-oxothia-zolidines: X-ray structure proof
	I	Tetrahedron reports on organic chemistry
	XXVII	Instructions to contributors

NUMBER 40

Contents

	v	Contributors to this issue
	7811	Graphical abstracts
		Tetrahedron report number 652
J. G. Verkade and P. B. Kisanga	7819	Proazaphosphatranes: a synthesis methodology trip from their discovery to vitamin A
		Articles
P. Cristau, J.-P. Vors and J. Zhu	7859	Rapid and diverse route to natural product-like biaryl ether containing macrocycles
H. Sato, Y. Hashimoto, T. Wada and Y. Inoue	7871	Solid-phase synthesis of peptide ribonucleic acids (PRNA)
Y. Huang, D. Chen and F.-L. Qing	7879	Preparation, properties and synthetic potentials of fluorous boronates
R. Csuk, U. Franke, Z. Hu and C. Krieger	7887	Synthesis of α-substituted 3-ulosonic acids from aldonolactones
B. Ágai, A. Nádor, Á. Proszenyák, G. Tárkányi and F. Faigl	7897	A facile synthesis of 3-(substituted benzyl)piperidines
B. C. Ranu and S. Samanta	7901	Reduction of activated conjugated alkenes by the $InCl_3$–$NaBH_4$ reagent system
J. P. C. Tomé, A. C. Tomé, M. G. P. M. S. Neves, F. A. Almeida Paz, P. J. Gates, J. Klinowski and J. A. S. Cavaleiro	7907	Novel porphyrin–quinazoline conjugates via the Diels–Alder reaction
S. Padakanti, M. Pal and K. R. Yeleswarapu	7915	An improved and practical synthesis of 5,5-dimethyl-3-(2-propoxy)-4-(4-methanesulfonylphenyl)-2-(5*H*)-furanone (DFP—a selective inhibitor of cyclooxygenase-2)
T. Bhattacharyya, A. Sundin and U. J. Nilsson	7921	Synthesis of chiral, amphiphilic, and water-soluble macrocycles via urea formation
W. Adam, E. P. Gogonas and L. P. Hadjiarapoglou	7929	Alkenyl C–H insertion of a β-disulfone iodonium ylide into flavones
G. A. Kraus and I. Kim	7935	A direct route to isoflavan quinones. The synthesis of colutequinones A and B
T. Tanaka, S. Watarumi, Y. Matsuo, M. Kamei and I. Kouno	7939	Production of theasinensins A and D, epigallocatechin gallate dimers of black tea, by oxidation–reduction dismutation of dehydrotheasinensin A
M. Eipert, C. Maichle-Mössmer and M. E. Maier	7949	Use of epoxidation and epoxide opening reactions for the synthesis of highly functionalized 1-oxaspiro[4.5]decan-2-ones and related compounds

U. Azzena, G. Dettori, M. V. Idini, L. Pisano and G. Sechi	7961	Regioselective reductive demethoxylation of 3,4,5-trimethoxystilbenes
Y. Liu, H. Wang, L.-H. Wang, Z. Li, H.-Y. Zhang and Q. Zhang	7967	Synthesis of novel *p-tert*-butyl-calix[4]arene derivatives and their cation binding ability: chromogenic effect upon side arms binding
P. Evans and M. Leffray	7973	Asymmetric dihydroxylation of vinyl sulfones: routes to enantioenriched α-hydroxy-aldehydes and the enantioselective syntheses of furan-2(5*H*)-ones
W. Hayes, H. M. I. Osborn, S. D. Osborne, R. A. Rastall and B. Romagnoli	7983	One-pot synthesis of multivalent arrays of mannose mono- and disaccharides
C. S. Cho, B. T. Kim, H.-J. Choi, T.-J. Kim and S. C. Shim	7997	Ruthenium-catalyzed oxidative coupling and cyclization between 2-amino-benzyl alcohol and secondary alcohols leading to quinolines
S. Rajagopal, M. E. Brooks, T.-M. Nguyen and M. Novak	8003	Synthesis and characterization of the aqueous solution chemistry of the food-derived carcinogen model *N*-acetoxy-*N*-(1-methyl-5*H*-pyrido[4,5-*b*]indol-3-yl)-acetamide and its *N*-pivaloyloxy analogue
Y. Nakajima, Y. S. Yun and A. Kunugi	8011	Six new flavonolignans from *Sasa veitchii* (Carr.) Rehder
E. Saniger, J. M. Campos, A. Entrena, J. A. Marchal, H. Boulaiz, A. Aránega, M. Á. Gallo and A. Espinosa	8017	Neighbouring-group participation as the key step in the reactivity of acyclic and cyclic salicyl-derived *O,O*-acetals with 5-fluorouracil. Antiproliferative activity, cell cycle dysregulation and apoptotic induction of new *O,N*-acetals against breast cancer cells
M. M. G. Saad, T. Iwagawa, M. Doe and M. Nakatani	8027	Swietenialides, novel ring D opened phragmalin limonoid orthoesters from *Swietenia mahogani* JACQ.
I. D. Tomlinson, J. Mason, J. N. Burton, R. Blakely and S. J. Rosenthal	8035	The design and synthesis of novel derivatives of the dopamine uptake inhibitors GBR 12909 and GBR 12935. High-affinity dopaminergic ligands for conju-gation with highly fluorescent cadmium selenide/zinc sulfide core/shell nanocrystals
N. Philippe, F. Denivet, J.-L. Vasse, J. Sopkova-de Olivera Santos, V. Levacher and G. Dupas	8049	Highly stereoselective Friedel–Crafts type cyclization. Facile access to enantio-pure 1,4-dihydro-4-phenyl isoquinolinones
M. C. Pampín, J. C. Estévez, R. J. Estévez, R. Suau and L. Castedo	8057	First total syntheses of the 1,2,3,4-tetrahydronaphtho[2,1-*f*]isoquinolines anno-retine and litebamine
	I	Instructions to contributors

NUMBER 41

Contents

	8067	Graphical abstracts
		Tetrahedron report number 653
Ž. Čeković	8073	Reactions of δ-carbon radicals generated by 1,5-hydrogen transfer to alkoxyl radicals
		Articles
I. V. Ivanov, S. G. Romanov, V. P. Shevchenko, E. A. Rozhkova, M. A. Maslov, N. V. Groza, N. F. Myasoedov, H. Kuhn and G. I. Myagkova	8091	A convergent synthesis of (17*R*,5*Z*,8*Z*,11*Z*,14*Z*)-17-hydroxyeicosa-5,8,11,14-tetra-enoic acid analogues and their tritiated derivatives
H. I. Omar, Y. Odo, Y. Shigemitsu, T. Shimo and K. Somekawa	8099	Transition state analysis on regioselectivity in [2+2] photocycloaddition reactions of substituted 2-cyclohexenone with cycloalkenecarboxylates
F. Turksoy, J. D. Wallis, U. Tunca and T. Ozturk	8107	An in depth study of the formation of new tetrathiafulvalene derivatives from 1,8-diketones
S. Muthusamy, S. A. Babu and M. Nethaji	8117	A facile regioselective construction of spiro epoxy-bridged tetrahydropyranone frameworks

M. Adamczyk, S. R. Akireddy, D. D. Johnson, P. G. Mattingly, Y. Pan and R. E. Reddy	8129	Synthesis of 3,7-dihydroimidazo[1,2*a*]pyrazine-3-ones and their chemi-luminescent properties
R. D. Hubbard and B. L. Miller	8143	Regioselective and diastereoselective synthesis of highly substituted cyclopentanes
O. Sharon and A. A. Frimer	8153	Synthesis and photosensitized oxygenation of cyclopropylidenecyclobutenes
H. Z. Alkhathlan	8163	Synthesis of 4-alkoxy-4-methyl- and 4-alkoxy-4-fluoromethyl-1,3-benzoxa-zinones
J. C. González-Gómez, L. Santana and E. Uriarte	8171	Synthesis and convenient functionalisation of pyridazinofurocoumarins: nitrogenated isosters of potent DNA inhibitors
C. Adelwöhrer, T. Rosenau and P. Kosma	8177	Novel tocopheryl compounds. Part 16: Nitration of α-tocopheryl acetate—a mechanistic study
S. Inokuma, T. Sakaizawa, T. Funaki, T. Yonekura, H. Satoh, S. Kondo, Y. Nakamura and J. Nishimura	8183	Synthesis and complexing property of four-bridged crownopaddlanes
R. Yokoyama, S. Ito, T. Okujima, T. Kubo, M. Yasunami, A. Tajiri and N. Morita	8191	Synthesis of 2-aminoazulene derivatives. Nucleophilic and palladium-catalyzed amination of 2-substituted azulene
H. Fillon, C. Gosmini and J. Périchon	8199	A convenient method for the preparation of aromatic ketones from acyl chlorides and arylzinc bromides using a cobalt catalysis
M. Honda, N. Ohkura, S. Saisyo, M. Segi and T. Nakajima	8203	Diastereoselective alkylation and reduction of β-alkoxyacylsilanes: stereo-selective construction of three contiguous stereogenic centers
V. Mirkhani, S. Tangestaninejad, B. Yadollahi and L. Alipanah	8213	Efficient regio- and stereoselective ring opening of epoxides with alcohols, acetic acid and water catalyzed by ammonium decatungstocerate(IV)
Z. Pakulski, M. Koprowski and K. M. Pietrusiewicz	8219	Chiral base promoted enantioselective rearrangement of organophosphorus epoxides
Y. Luo, C. Feng, Y. Tian, B. Li and G. Zhang	8227	Three novel nortriterpenoids from *Notochaete hamosa* Benth. (Labiatae)
A. C. Ferguson, R. M. Adlington, D. H. Martyres, P. J. Rutledge, A. Cowley and J. E. Baldwin	8233	Total synthesis of a novel 2-thiabicyclo[3.2.0]heptan-6-one analogue of penicillin N
C. W. Ong, Y. A. Chang, J.-Y. Wu and C.-C. Cheng	8245	Novel design of a pentacyclic scaffold as structural mimic of saframycin A
J. Chen, G. Ling and S. Lu	8251	Synthesis of new unsymmetric *N,N'*-dipyridylurea derivatives by selenium and selenium dioxide-catalyzed reductive carbonylation of substituted nitro-pyridines
X. Wang, Y. Liu and Y. Zhang	8257	Elimination of benzotriazolyl group in *N*-(α-benzotriazol-1-ylalkyl)amides and *N*-(α-benzotriazol-1-ylalkyl)sulfonamides: their self-coupling and cross-coupling reactions with carbonyl compounds
G. Angelovski and P. Eilbracht	8265	Synthesis of hydroquinone-, biphenol-, and binaphthol-containing aza macroheterocycles via regioselective hydroformylation and reductive amination
D. W. Slocum, S. Dumbris, S. Brown, G. Jackson, R. LaMastus, E. Mullins, J. Ray, P. Shelton, A. Walstrom, J. M. Wilcox and R. W. Holman	8275	Metalation in hydrocarbon solvents: the mechanistic aspects of substrate-promoted *ortho*-metalations
	I	Calendar
	XI	Instructions to contributors

NUMBER 42

Contents

	8285	Graphical abstracts
		Tetrahedron report number 654
H. Pellissier	8291	Dynamic kinetic resolution
		Articles
O. Grach-Pogrebinsky, B. Sedmak and S. Carmeli	8329	Protease inhibitors from a Slovenian Lake Bled toxic waterbloom of the cyanobacterium *Planktothrix rubescens*
C. B. de Koning, W. A. L. van Otterlo and J. P. Michael	8337	Amide rotamers of *N*-acetyl-1,3-dimethyltetrahydroisoquinolines: synthesis, variable temperature NMR spectroscopy and molecular modelling
T. C. Dinadayalane and G. N. Sastry	8347	Isolated pentagon rule in buckybowls: a computational study on thermodynamic stabilities and bowl-to-bowl inversion barriers
L. Wojnárovits, E. Takács, K. Dajka, S. S. Emmi, M. Russo and M. D'Angelantonio	8353	Rate coefficient for the H atom reaction with acrylate monomers in aqueous solution
S. Kobatake and M. Irie	8359	Synthesis and photochromic reactivity of a diarylethene dimer linked by a phenyl group
H. Jiang, J.-M. Léger, C. Dolain, P. Guionneau and I. Huc	8365	Aromatic δ-peptides: design, synthesis and structural studies of helical, quinoline-derived oligoamide foldamers
S. K. Sabui and R. V. Venkateswaran	8375	Synthesis of *O*-methyl *epi*-heliannuol E
Md. T. Rahman and H. Nishino	8383	Manganese(III)-based oxidation of 1,2-disubstituted pyrazolidine-3,5-diones in the presence of alkenes
S. Ohsugi, K. Nishide, K. Oono, K. Okuyama, M. Fudesaka, S. Kodama and M. Node	8393	New odorless method for the Corey–Kim and Swern oxidations utilizing dodecyl methyl sulfide (Dod-S-Me)
N. Panda, N. B. Mondal, S. Banerjee, N. P. Sahu, K. Koike, T. Nikaido, M. Weber and P. Luger	8399	Polyhydroxy pregnanes from *Dregea volubilis*
D. G. Piotrowska and A. E. Wróblewski	8405	Stereoselective synthesis of β-functionalized α-aminophosphonates via aziridinium ions
Y. Kawanami, S. Murao, T. Ohga and N. Kobayashi	8411	Practical enantioselective reduction of ketones using oxazaborolidine catalyst generated in situ from chiral lactam alcohol and borane
Y. Takano, N. Kojima, Y. Nakahara, H. Hojo and Y. Nakahara	8415	Solid-phase synthesis of core 2 O-linked glycopeptide and its enzymatic sialylation
Y. Liu and Y. Zhang	8429	Formation of 1,4-diketones via bis-acylation of the conjugated carbon–carbon double bonds in acrylates, acrylamides, methyl vinyl ketone and styrenes with aroyl chlorides promoted by samarium metal in DMF
A. Barco, N. Baricordi, S. Benetti, G. Biondini, C. De Risi and G. P. Pollini	8439	Diastereoselective synthesis of 2-substituted-piperidin-4-ones as convenient precursors for an asymmetric approach to carbacephams
D. A. Clemente	8445	26 Space group changes and 6 crystallographic puzzles found in Tetrahedron journals
	I	Instructions to contributors

NUMBER 43

Contents

8457 Graphical abstracts

Tetrahedron report number 655

A.-Z. A. Elassar and A. A. El-Khair 8463 Recent developments in the chemistry of enaminones

Articles

H. A. Dondas, R. Grigg and C. Kilner 8481 X=Y=ZH Systems as potential 1,3-dipoles. Part 58: Cycloaddition route to chiral conformationally constrained (*R*)-pro-(*S*)-pro peptidomimetics

Y. A. Ibrahim, B. Al-Saleh and A. A. A. Mahmoud 8489 Intramolecular 4+2 cycloaddition of thieno[2,3-*e*][1,2,4]triazines: routes towards condensed thieno[2,3-*b*]pyridines

D. Dönnecke and W. Imhof 8499 The ruthenium catalyzed formation of chiral dihydropyrrolones from α,β-unsaturated imines: extending the reaction to terminal alkenes and investigating the formation of pyrroles as side-products

H. Sharghi and M. M. Eskandari 8509 Conversion of epoxides into halohydrins with elemental halogen catalyzed by thiourea

B. Liu, J. D. Brandt and K. D. Moeller 8515 Constrained peptidomimetics: building bicyclic analogs of pyrazoline deriva-tives

M. Yus, R. Ortiz and F. F. Huerta 8525 Intramolecular carbolithiation promoted by a DTBB-catalysed chlorine–lithium exchange

O. Andrey, B. Camuzat-Dedenis, L. Chabaud, K. Julienne, Y. Landais, L. Parra-Rapado and P. Renaud 8543 Free-radical functionalisation of vinylcyclopropanes

X. Yang, S. Luo, C. Hua and H. Zhai 8551 Efficient synthesis of beetle aggregation pheromone frontalin and its analogues

A. K. Flatt, S. M. Dirk, J. C. Henderson, D. E. Shen, J. Su, M. A. Reed and J. M. Tour 8555 Synthesis and testing of new end-functionalized oligomers for molecular electronics

S. Sumi, K. Matsumoto, H. Tokuyama and T. Fukuyama 8571 Stereocontrolled total synthesis of (−)-aspidophytine

T. Putkonen, A. Tolvanen, R. Jokela, S. Caccamese and N. Parrinello 8589 Total synthesis of (±)-tangutorine and chiral HPLC separation of enantiomers

W. Wysocka and T. Brukwicki 8597 Quantitative determination of conformational equilibrium in quinolizidine-piperidine alkaloids. Part 2: Synthesis and conformational study of *N*-methyl-albine

G.-H. Liu, W.-J. Tang and Q.-H. Fan 8603 Dendritic BINOL ligands for asymmetric catalysis: effect of the linking positions and generations of the dendritic wedges on catalyst properties

T. K. Chakraborty, V. R. Reddy and T. J. Reddy 8613 Synthesis of highly substituted tetrahydropyrans: preparation of the C20–C28 moiety of phorboxazoles

L. Nahar and A. B. Turner 8623 Synthesis of 3β,6α-dihydroxy-5α-cholan-23-one

S. Dumouchel, F. Mongin, F. Trécourt and G. Quéguiner 8629 Synthesis and reactivity of lithium tri(quinolinyl)magnesates

8641 Corrigendum

I Instructions to contributors

NUMBER 44

Contents

	v	Contributors to this issue
	8643	Graphical abstracts
	8647	Publisher's Announcement: Tetrahedron Prize 2003
		Tetrahedron report number 656
W. Du	8649	Towards new anticancer drugs: a decade of advances in synthesis of camptothecins and related alkaloids
		Articles
Y. Sugiyama, T. Matsumoto, H. Yamamoto, M. Nishikawa, M. Kinoshita, T. Takei, W. Mori and Y. Takeuchi	8689	Synthesis, solid-state and solution structures of tris[(2-methoxymethyl)phenyl]-germanes with a substituent on germanium
J. Teichgräber and U. Holzgrabe	8697	A novel class of allosteric modulators of the muscarinic M_2 acetylcholine receptor: terphenyl derivatives
C. Gravier-Pelletier, W. Maton, T. Dintinger, C. Tellier and Y. Le Merrer	8705	Synthesis and glycosidase inhibitory activity of aminocyclitols with a C6- or a C7-ring
C. Gravier-Pelletier, W. Maton, G. Bertho and Y. Le Merrer	8721	Synthesis and glycosidase inhibitory activity of enantiopure polyhydroxylated octahydroindoles and decahydroquinolines, analogs to castanospermine
C. L. L. Chai, A. J. Edwards, B. A. Wilkes and R. C. J. Woodgate	8731	Directed 1,3-dipolar cycloadditions of ylidene piperazine-2,5-diones
J. B. Bremner, J. A. Coates, P. A. Keller, S. G. Pyne and H. M. Witchard	8741	Synthesis of carbazole-linked cyclic and acyclic peptoids with antibacterial activity
I. Mancini, G. Guella, H. Zibrowius and F. Pietra	8757	On the origin of quasi-racemic aplysinopsin cycloadducts, (bis)indole alkaloids isolated from scleractinian corals of the family Dendrophylliidae. Involvement of enantiodefective Diels–Alderases or asymmetric induction in artifact processes involving adventitious catalysts?
K. Iwasaki, M. Nakatani, M. Inoue and T. Katoh	8763	Synthetic studies of kampanols, novel $p21^{ras}$ farnesyltransferase inhibitors: an efficient synthesis of the tetracyclic ABCD ring system of kampanols
B. C. G. Söderberg, J. A. Shriver, S. H. Cooper, T. L. Shrout, E. S. Helton, L. R. Austin, H. H. Odens, B. R. Hearn, P. C. Jones, T. N. Kouadio, T. H. Ngi, R. Baswell, H. J. Caprara, M. D. Meritt and T. T. Mai	8775	Intramolecular cyclization reactions of unsaturated amino Fischer chromium carbenes forming indoles and quinolines
M. Ozawa, T. Taguchi, T. Itoh, Y. Ebizuka, K. I. Booker-Milburn, G. R. Stephenson and K. Ichinose	8793	Structure and biosynthetic implication of (*S*)-NHAB, a novel shunt product, from a disruptant of the *actVI*-ORFA gene for actinorhodin biosynthesis in *Streptomyces coelicolor* A3(2)
M. Günes and A. Speicher	8799	Efficient syntheses of (±)-hydrangenol, (±)-phyllodulcin and (±)-macrophyllol
R. Beumer, P. Bayón, P. Bugada, S. Ducki, N. Mongelli, F. R. Sirtori, J. Telser and C. Gennari	8803	Synthesis of novel simplified sarcodictyin/eleutherobin analogs with potent microtubule-stabilizing activity, using ring closing metathesis as the key-step
M. Maffei and G. Buono	8821	A two step synthesis of 2-oxo-2-vinyl 1,3,2-dioxaphospholanes and -dioxaphosphorinanes
T.-F. Yang, H.-H. Chao, Y.-H. Lu and C.-J. Tsai	8827	Preparation and application of (+)-(3,3-dimethyl-2-methylenenorbornan-1-yl)-methyl methanesulfonate: a new and versatile chiral fenchone analogue
M. Prakesch, D. Grée and R. Grée	8833	Synthesis and reactivity of *Z* and *E* functionalized allylic fluorides
	I	Instructions to contributors

NUMBER 45

Contents

Tetrahedron Symposium-in-Print Number 98

New synthetic methods—VII

Guest editor: Brian M. Stoltz
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	v	Contributors to this issue
	8843	Announcement: Tetrahedron Symposia-in-Print
	8847	Graphical abstracts
	8853	Preface
J. L. Wood, J. K. Graeber and J. T. Njardarson	8855	Application of phenolic oxidation chemistry in synthesis: preparation of the BCE ring system of ryanodine
S. J. Pastine, S. W. Youn and D. Sames	8859	Pt(IV)-catalyzed cyclization of arene–alkyne substrates via C–H bond functionalization
K. S. Griswold and S. J. Miller	8869	A peptide-based catalyst approach to regioselective functionalization of carbohydrates
B. M. Nugent, A. L. Williams, E. N. Prabhakaran and J. N. Johnston	8877	Free radical-mediated vinyl amination: a mild, general pyrrolidinyl enamine synthesis
M. J. Zacuto, S. J. O'Malley and J. L. Leighton	3889	Tandem silylformylation–allyl(crotyl)silylation: a new approach to polyketide synthesis
J. H. Jun, J. M. Dougherty, M. del Sol Jiménez and P. R. Hanson	8901	New strategies to symmetric and unsymmetric cyclic sulfamide analogs of DMP 323: a 'sulfur linchpin'/RCM approach
T. P. Heffron, J. D. Trenkle and T. F. Jamison	8913	Synthesis of skipped enynes via phosphine-promoted couplings of propargylcopper reagents
A. K. Miller, M. R. Banghart, C. M. Beaudry, J. M. Suh and D. Trauner	8919	Development of novel Lewis acid catalyzed cycloisomerizations: synthesis of bicyclo[3.1.0]hexenes and cyclopentenones
S. Su, H. Kakeya, H. Osada and J. A. Porco, Jr.	8931	Synthesis and cell cycle inhibition of the peptide enamide natural products terpeptin and the aspergillamides
Q. Wei, S. Harran and P. G. Harran	8947	Methods to initiate synthetic re-structuring of peptides
W. V. Murray, P. K. Mishra, I. J. Turchi, D. Sawicka, A. Maden and S. Sun	8955	An intramolecular oxo Diels–Alder approach to 1-oxo-1,2,3,3a,4,7a-hexahydropyrano[3,4-*c*]pyrrole-4-carboxylic acid ethyl esters
R. G. Carter, T. C. Bourland, X.-T. Zhou and M. A. Gronemeyer	8963	Controlling influences in bisspiroketal formation: synthesis of the ABC ring system of azaspiracid
G. A. Kraus, E. Dneprovskaia, T. H. Nguyen and I. Jeon	8975	Synthesis of a model system for the preparation of phloroglucinol containing natural products
Y. Zhang and T. Rovis	8979	1,3-Polyol arrays via the stereoselective rearrangement of vinyl acetals
A. Ates, A. Gautier, B. Leroy, J.-M. Plancher, Y. Quesnel, J.-C. Vanherck and I. E. Markó	8989	Mild and chemoselective catalytic deprotection of ketals and acetals using cerium(IV) ammonium nitrate

B. A. Johns, K. S. Gudmundsson, E. M. Turner, S. H. Allen, D. K. Jung, C. J. Sexton, F. L. Boyd, Jr. and M. R. Peel	9001	Pyrazolo[1,5-*a*]pyridines: synthetic approaches to a novel class of antiherpetics
F. E. Ziegler and M. A. Sarpong	9013	Radical cyclization studies directed toward the synthesis of BMS-200475 'entecavir': the carbocyclic core
P. A. Jass, V. W. Rosso, S. Racha, N. Soundararajan, J. J. Venit, A. Rusowicz, S. Swaminathan, J. Livshitz and E. J. Delaney	9019	Use of *N*-trifluoroacetyl-protected amino acid chlorides in peptide coupling reactions with virtually complete preservation of stereochemistry
	I	Calendar
	XI	Instructions to contributors

NUMBER 46

Contents

	v	Contributors to this issue
	9031	Graphical abstracts
	9037	Announcement – new Editor for *Tetrahedron Letters*
		Tetrahedron report number 657
J. C. C. Atherton and S. Jones	9039	Diels–Alder reactions of anthracene, 9-substituted anthracenes and 9,10-disubstituted anthracenes
		Articles
T. Murano, Y. Yuasa, S. Muroyama, T. Yokomatsu and S. Shibuya	9059	*N*-Glycosylation of 2,3-dideoxyfuranose derivatives having a (diethoxyphosphorothioyl)difluoromethyl group at the 3α-position
S. P. Draffin, P. J. Duggan, S. A. M. Duggan and J. C. Norrild	9075	Highly selective lipophilic diboronic acid that transports fructose as the trisdentate 2,3,6-β-D-fructofuranose ester
E. G. Sakellariou, A. G. Montalban, S. L. Beall, D. Henderson, H. G. Meunier, D. Phillips, K. Suhling, A. G. M. Barrett and B. M. Hoffman	9083	Novel peripherally functionalized *seco*-porphyrazines: synthesis, characterization and spectroscopic evaluation
F. Bellina, E. Falchi and R. Rossi	9091	Regioselective synthesis of cytotoxic 4-(1-alkynyl)-substituted 2-(5*H*)-furanones
A. Halldorsson, C. D. Magnusson and G. G. Haraldsson	9101	Chemoenzymatic synthesis of structured triacylglycerols by highly regioselective acylation
V. K. Yadav and K. Ganesh Babu	9111	Acetyl chloride–ethanol brings about a remarkably efficient conversion of allyl acetates into allyl chlorides
Z. Zalán, T. A. Martinek, L. Lázár and F. Fülöp	9117	Synthesis and conformational analysis of 1,3,2-diazaphosphorino[6,1-*a*]isoquinolines, a new ring system
T. K. Chakraborty, S. Purkait and S. Das	9127	Synthesis of chiral 4-hydroxy-2,3-unsaturated carbonyl compounds from 3,4-epoxy alcohols by oxidation: application in the formal synthesis of macrosphelide A
J. R. McCarthy, P. J. Melfi, S. H. Capetta and C. Brückner	9137	Use of Ag(II) as a removable template in porphyrin chemistry: diol cleavage products of [*meso*-tetraphenyl-2,3-*cis*-diolchlorinato]silver(II)
J. A. Carr, T. F. Al-Azemi, T. E. Long, J.-Y. Shim, C. M. Coates, E. Turos and K. S. Bisht	9147	Lipase-catalyzed resolution of 4-aryl-substituted β-lactams: effect of substitution on the 4-aryl ring
Dolly, B. Batanero and F. Barba	9161	Cathodic reduction of hydroxycarbonyl compound trichloroacetyl esters
J. A. Sáez, M. Arnó and L. R. Domingo	9167	A DFT study for the regioselective 1,3-dipolar cycloadditions of nitrile *N*-oxides toward alkynylboronates

P. Basabe, A. Diego, S. Delgado, D. Díez, I. S. Marcos and J. G. Urones	9173	Short and efficient synthesis of (+)-subersic acids
M. Suárez, Y. Verdecia, B. Illescas, R. Martínez-Alvarez, A. Alvarez, E. Ochoa, C. Seoane, N. Kayali and N. Martín	9179	Synthesis and study of novel fulleropyrrolidines bearing biologically active 1,4-dihydropyridines
E. Hupe, D. Denisenko and P. Knochel	9187	Stereoselective migration of sterically hindered organoboranes in cyclic and acyclic systems. A stereoselective allylic C–H activation reaction
H. Krawczyk and M. Śliwiński	9199	Self-catalytic Michael reaction of enolizable carbonyl compounds. A facile route to α-methylene-δ-valerolactones
C. D. Gill, D. A. Greenhalgh and N. S. Simpkins	9213	Application of the chiral base desymmetrisation of imides to the synthesis of the alkaloid jamtine and the antidepressant paroxetine
M. R. Heinrich and W. Steglich	9231	Effective syntheses of quinoline-7,8-diol, 5-amino-L-DOPA, and 3-(7,8-dihydroxyquinolin-5-yl)-L-alanine
M. R. Heinrich, W. Steglich, M. G. Banwell and Y. Kashman	9239	Total synthesis of the marine alkaloid halitulin
	I	Instructions to contributors

NUMBER 47

Contents

	v	Contributors to this issue
	9249	Graphical abstracts
		Tetrahedron report number 658
C. Nájera, J. M. Sansano and M. Yus	9255	Recent synthetic uses of functionalised aromatic and heteroaromatic organolithium reagents prepared by non-deprotonating methods
		Articles
A. Fukuda, Y. Kobayashi, T. Kimachi and Y. Takemoto	9305	Synthetic studies on macrolactin A by using a (diene)$Fe(CO)_3$ complex
G. Molteni, T. Pilati and A. Ponti	9315	Synthesis of bis-(3,5)pyrazolophanes via double cycloadditive macrocyclisation
M. Kwit and J. Gawronski	9323	Helicity of *N,N'*-diaryl-*trans*-1,2-diaminocyclohexane derivatives. Implications for molecular helicity manipulations
Y. R. Lee, B. S. Cho and H. J. Kwon	9333	A convenient and efficient preparation of β-substituted α-haloenones from diazodicarbonyl compounds
M. Gascón-López, M. Motevalli, G. Paloumbis, P. Bladon and P. B. Wyatt	9349	*C*-Glycosylidene derivatives (*exo*-glycals): their synthesis by reaction of protected sugar lactones with tributylphosphonium ylids, conformational analysis and stereoselective reduction
Y. M. A. W. Lamers, G. Rusu, J. B. P. A. Wijnberg and A. de Groot	9361	Synthesis of chiral methyl-branched linear pheromones starting from (+)-aromadendrene. Part 7
P. Huszthy, B. Vermes, N. Báthori and M. Czugler	9371	Synthesis and X-ray crystallographic studies of novel proton-ionizable nitro- and halogen-substituted acridono-18-crown-6 chromo- and fluorogenic ionophores
J. Zhao, X. Yang, X. Jia, S. Luo and H. Zhai	9379	Novel total syntheses of (±)-oxerine by intramolecular Heck reaction
C.-Y. Chen, B.-R. Chang, M.-R. Tsai, M.-Y. Chang and N.-C. Chang	9383	Regioselective reduction of *N*-alkyl-3-sulfonyl glutarimides to δ-lactams. Formal synthesis of (±)-paroxetine and (±)-tacamonine
J. Dai, C. S. Day and R. E. Noftle	9389	Synthesis and structural characterization of 3-thienyl alkyl imides

F. Clerici, A. Contini, M. L. Gelmi and D. Pocar	9399	Isothiazoles. Part 14: New 3-aminosubstituted isothiazole dioxides and their mono- and dihalogeno derivatives
I. Yavari, H. Djahaniani and F. Nasiri	9409	Reaction between alkyl isocyanides and dimethyl acetylenedicarboxylate in the presence of polyhydroxybenzenes. Synthesis of 4*H*-chromene derivatives
D.-P. Pham-Huu, Y. Gizaw, J. N. BeMiller and L. Petruš	9413	Improved synthesis of 1,4-dideoxy-1,4-imino-D-galactitol, an inhibitor of *E. coli K12* UDP-Gal mutase and mycobacterial galactan biosynthesis
T. Ogamino and S. Nishiyama	9419	A new ring-opening access to aeroplysinin-1, a secondary metabolite of *Verongia aerophoba*
J. Le Nôtre, A. A. Martinez, P. H. Dixneuf and C. Bruneau	9425	Synthesis of new terpene derivatives via ruthenium catalysis: rearrangement of silylated enynes derived from terpenoids
A. M. Bernard, A. Frongia, F. Secci, G. Delogu, J. Ollivier, P. P. Piras and J. Salaün	9433	Stereospecific palladium(0)-catalyzed reduction of 2-cyclobutylidenepropyl esters. A versatile preparation of diastereomeric monoterpenoids: (±)-fragranol and (±)-grandisol
M. Fischer and S. Höger	9441	Synthesis of a shape-persistent macrocycle with intraannular carboxylic acid groups
K. Kuramochi, Y. Osada and T. Kitahara	9447	Synthetic study on indolic enamides
H. H. Dib, N. A. Al-Awadi, Y. A. Ibrahim and O. M. E. El-Dusouqui	9455	Gas-phase thermolysis of benzotriazole derivatives. Part 2: Synthesis of benzimidazo[1,2-*b*]cinnolines, a novel heterocyclic ring system, by pyrolysis of benzotriazole derivatives. Kinetic and mechanistic study
	I	Instructions to contributors

NUMBER 48

Contents

	v	Contributors to this issue
	9465	Graphical abstracts
		Tetrahedron report number 659
G. Chelucci, G. Orrù and G. A. Pinna	9471	Chiral P,N-ligands with pyridine-nitrogen and phosphorus donor atoms. Syntheses and applications in asymmetric catalysis
		Articles
B. Kosjek, W. Stampfer, R. van Deursen, K. Faber and W. Kroutil	9517	Efficient production of raspberry ketone via 'green' biocatalytic oxidation
A. Abad, C. Agulló, A. C. Cuñat, A. B. García and C. Giménez-Saiz	9523	Synthetic studies on the preparation of oxygenated spongiane diterpenes from carvone
A. Kamimura, N. Murakami, F. Kawahara, K. Yokota, Y. Omata, K. Matsuura, Y. Oishi, R. Morita, H. Mitsudera, H. Suzukawa, A. Kakehi, M. Shirai and H. Okamoto	9537	On the regioselectivity for the Michael addition of thiols to unsymmetrical fumaric derivatives
E. J. Land, C. A. Ramsden, P. A. Riley and G. Yoganathan	9547	4-Cyanomethyl-*ortho*-quinone tautomerism and the structure of the dienophile in Gates' morphine synthesis
C. Bassarello, P. Cimino, L. Gomez-Paloma, R. Riccio and G. Bifulco	9555	Simulation of 2D ^{1}H homo- and ^{1}H–^{13}C heteronuclear NMR spectra of organic molecules by DFT calculations of spin–spin coupling constants and ^{1}H and ^{13}C-chemical shifts
M. Pal, V. Subramanian, K. Parasuraman and K. R. Yeleswarapu	9563	Palladium catalyzed reaction in aqueous DMF: synthesis of 3-alkynyl substituted flavones in the presence of prolinol
G. Smitha and Ch. S. Reddy	9571	A facile and efficient $ZrCl_4$ catalyzed conversion of aldehydes to geminal-diacetates and dipivalates and their cleavage

M. Panunzio, A. Bongini, E. Tamanini, E. Campana, G. Martelli, P. Vicennati and I. Zanardi	9577	Synthesis of *NH*-3-phenylsulfanyl- and *NH*-3-benzylsulfanyl-azetidinones from 1-phenylsulfanyl- or 1-benzylsulfanyl-3-aza-1,3-dienes
J. Bourguignon, U. Bremberg, G. Dupas, K. Hallman, L. Hagberg, L. Hortala, V. Levacher, S. Lutsenko, E. Macedo, C. Moberg, G. Quéguiner and F. Rahm	9583	Chiral ditopic receptors. Application to palladium-catalyzed allylic alkylation
I. Grabchev, J.-M. Chovelon, V. Bojinov and G. Ivanova	9591	Poly(amidoamine) dendrimers peripherally modified with 4-ethylamino-1,8-naphthalimide. Synthesis and photophysical properties
T. Satoh, T. Kawashima, S. Takahashi and K. Sakai	9599	A new synthesis, including asymmetric synthesis, of spiro[4.*n*]alkenones from three components: cyclic ketones, chloromethyl *p*-tolyl sulfoxide, and aceto-nitrile; and a formal total synthesis of racemic acorone
M. Kurono and M. Isobe	9609	A practical semi-synthesis of tautomycin using a hydrolysate of natural tautomycin
E. M. Hampe and D. M. Rudkevich	9619	Exploring reversible reactions between CO_2 and amines
C. Pain, S. Célanire, G. Guillaumet and B. Joseph	9627	Synthesis of 5-substituted 2-(4- or 3-methoxyphenyl)-4(1*H*)-quinolones
S. Guillarme, S. Legoupy, N. Bourgougnon, A.-M. Aubertin and F. Huet	9635	Synthesis of new acyclonucleosides comprising unexpected regioisomers in the case of purines
O. Roy, F. Loiseau, A. Riahi, F. Hénin and J. Muzart	9641	Access to racemic and enantioenriched 3-methyl-4-chromanones: catalysed asymmetric protonation of corresponding enolic species as the key step
R. Engqvist and J. Bergman	9649	Synthesis of benzothiopyrano[2,3-*b*]indol-11-one and benzopyrano[2,3-*b*]indol-11-one
M. Bao and M. Shimizu	9655	*N*-Trifluoroacetyl arenesulfenamides, effective precursors for synthesis of unsymmetrical disulfides and sulfenamides
T. Nishikawa, H. Shinokubo and K. Oshima	9661	Formation of manganese–alkyne complexes mediated by trialkylmanganates and their application
S. Zhu, X. Liu and S. Wang	9669	An efficient preparation of *N*-per- (or poly)fluorophenyl pyrroles and *N*-fluoroalkanesulfonyl pyrroles
C. W. Ong and C. Y. Yu	9677	Electronic control of product formation in the rearrangement of 1,3-dithian-2-yl-arylmethanols
	I	Instructions to contributors

NUMBER 49

Contents

Tetrahedron Symposium-in-Print Number 99

Oxiranyl and aziridinyl anions as reactive intermediates in synthetic organic chemistry

Guest editor: S. Florio

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	v	Contributors to this issue
	9683	Announcement: Tetrahedron Symposia-in-Print
	9687	Graphical abstracts
	9693	Preface
P. Brandt, P.-O. Norrby and P. G. Andersson	9695	A DFT exploration of the enantioselective rearrangement of cyclohexene oxide to cyclohexenol
L. Dechoux, C. Agami, E. Doris and C. Mioskowski	9701	Metalated epoxides as carbenoids. Competing C–H and C=C insertion in α-alkoxy epoxide systems
R. Luisi, V. Capriati, C. Carlucci, L. Degennaro and S. Florio	9707	Lithiation of optically active oxazolinyloxiranes: configurational stability
R. Luisi, V. Capriati, L. Degennaro and S. Florio	9713	Oxazolinyloxiranyllithium-mediated synthesis of highly strained heterocyclic compounds
D. M. Hodgson, J.-M. Galano and M. Christlieb	9719	Synthesis of (−)-xialenon A by enantioselective α-deprotonation-rearrange-ment of a *meso*-epoxide
D. M. Hodgson, T. J. Miles and J. Witherington	9729	Organolithium-induced synthesis of acyclic unsaturated amino alcohols from epoxides of dihydropyrroles and tetrahydropyridines
K. Kuramochi, S. Nagata, H. Itaya, Y. Matsubara, T. Sunoki, H. Uchiro, K. Takao and S. Kobayashi	9743	A convergent total synthesis of epolactaene: an application of the bridgehead oxiranyl anion strategy
C. Courillon, J.-C. Marié and M. Malacria	9759	Stereoselective lithiation of α,β-epoxy-γ,δ-vinylsilanes and transformation into α-silylated ketones
H. Furuta, T. Takase, H. Hayashi, R. Noyori and Y. Mori	9767	Synthesis of *trans*-fused polycyclic ethers with angular methyl groups using sulfonyl-stabilized oxiranyl anions
P. O'Brien, C. M. Rosser and D. Caine	9779	On the α-lithiation-rearrangement of *N*-toluensulfonyl aziridines: mechanistic and synthetic aspects
S. Klein, J. H. Zhang, M. Holler, J.-M. Weibel and P. Pale	9793	Ethynyloxirane anions: a new tool for natural product synthesis
T. Satoh and Y. Fukuda	9803	A new synthesis of enantiomerically pure α- and β-amino acid derivatives using aziridinyl anions
M. Shimizu, T. Fujimoto, X. Liu, H. Minezaki, T. Hata and T. Hiyama	9811	Stereoselective generation of *cis*-2-lithio-3-CF_3-oxirane via CF_3-substituted β-oxido carbenoids. Highly stereoselective synthesis of CF_3-substituted tri- and tetra-substituted oxiranes and tetrasubstituted alkenes

A. Chaiyanurakkul, R. Jitchati, M. Kaewpet, S. Rajviroongit, Y. Thebtaranonth, P. Thongyoo and W. Watcharin	9825	Generation and reactions of novel oxiranyl 'Remote' anions
Y. Yamauchi, T. Kawate, T. Katagiri and K. Uneyama	9839	Trifluoromethyl-stabilized optically active oxiranyl and aziridinyl anions for stereospecific syntheses of trifluoromethylated compounds
E. Vedejs, A. S. B. Prasad, J. T. Kendall and J. S. Russel	9849	The stereochemistry of aziridine borane lithiation: diastereoselectivity and enantioselectivity
A. Kasatkin and R. J. Whitby	9857	A convergent regiospecific synthesis of zirconium enolates
	I	Calendar
	XI	Instructions to contributors

NUMBER 50

Contents

	v	Contributors to this issue
	9865	Graphical abstracts
		Tetrahedron report number 660
L. Pu	9873	Asymmetric alkynylzinc additions to aldehydes and ketones
		Articles
G. Abbiati, E. M. Beccalli, G. Broggini and C. Zoni	9887	A valuable heterocyclic ring transformation: from isoxazolin-5(2*H*)-ones to quinolines
N. Maezaki, S. Yagi, S. Ohsawa, H. Ohishi and T. Tanaka	9895	Synthesis of chiral vinylic sulfoxides by Pd-catalyzed asymmetric sulfinyl-zincation
K. Dhanalakshmi and M. Vaultier	9907	Rhodium catalysed coupling reaction of myrcene with ethyl acetoacetate in the ionic liquid 1-ethyl-3-methylimidazolium triflimide
M. Alajarín, A. Vidal, F. Tovar, P. Sánchez-Andrada and D. Bautista	9913	Ketenimine and imine functions linked by an ethylene group. Intramolecular [4+2] cycloadditions leading to imidazo[1,2-*b*]isoquinolines
N. Heine, T. Ast, J. Schneider-Mergener, U. Reineke, L. Germeroth and H. Wenschuh	9919	Synthesis and screening of peptoid arrays on cellulose membranes
A. Kamimura, R. Morita, K. Matsuura, H. Mitsudera and M. Shirai	9931	A convenient stereoselective synthesis of β-lactams from β-hydroxy-α-thioalkylesters prepared from Michael/aldol tandem reaction or stereoselective addition of thiols to the Baylis–Hillman adducts
T.-C. Chou, S.-Y. Chen and Y.-H. Chen	9939	Periphery-modified crown ethers. Synthesis of bis-5,8-dimethoxy-1,4-methanonaphthalene-fused crown ethers
R. Cagnoli, F. Ghelfi, U. M. Pagnoni, A. F. Parsons and L. Schenetti	9951	Hydro-de-halogenation and consecutive deprotection of chlorinated *N*-amidopyrrolidin-2-ones with Raney-Ni: an effective approach to gabapentin
X. Xing, P. Ho, G. Bourquin, L.-A. Yeh and G. D. Cuny	9961	Synthesis, stereochemistry confirmation and biological activity evaluation of a constituent from *Isodon excisus*
F. R. Cibin, N. Di Bello, G. Doddi, V. Fares, P. Mencarelli and E. Ullucci	9971	Photocycloaddition of chalcones to yield cyclobutyl ditopic cyclophanes
T. Ganesh, J. K. Schilling, R. K. Palakodety, R. Ravindra, N. Shanker, S. Bane and D. G. I. Kingston	9979	Synthesis and biological evaluation of fluorescently labeled epothilone analogs for tubulin binding studies
I. H. Kim, R. Suzuki, Y. Hitotsuyanagi and K. Takeya	9985	Three novel quassinoids, javanicolides A and B, and javanicoside A, from seeds of *Brucea javanica*

S. Sutthivaiyakit, N. N. Nakorn, W. Kraus and P. Sutthivaiyakit	9991	A novel 29-*nor*-3,4-*seco*-friedelane triterpene and a new guaiane sesquiterpene from the roots of *Phyllanthus oxyphyllus*
H. A. Dondas, C. W. G. Fishwick, R. Grigg and M. Thornton-Pett	9997	X=Y–ZH system as potential 1,3-dipoles. Part 59: Cascade 1,3-azaprotio cyclotransfer–1,3-dipolar cycloaddition (1,3-APT–1,3-DC) reactions of benzobicyclo[3.3.1]non-5-en-9-one oxime
T. Bauer and J. Gajewiak	10009	Titanium-promoted enantioselective diethylzinc addition to benzaldehyde in the presence of C_2-symmetrical bis(camphorsulfonamide) ligands
H. Dodziuk, G. Dolgonos and J. Leszczynski	10013	Tricyclo[2.2.0.0^{1,3}]hexane: a new hypothetical molecule which should have only one inverted carbon atom
C. M. Marson, J. H. Pink and C. Smith	10019	Synthesis of the first monoaromatic B-ring 13-azasteroid ring system by sequential angular annulation
B. Cosimelli, G. Roncucci, D. Dei, L. Fantetti, F. Ferroni, M. Ricci and D. Spinelli	10025	Synthesis and antimycotic activity of new unsymmetrical substituted zinc phthalocyanines
W. J. Chung, S. Higashiya, Y. Oba and J. T. Welch	10031	Indium- and zinc-mediated allylation of difluoroacetyltrialkylsilanes in aqueous media
L.-Y. Yang, Q.-Q. Chen, G.-Q. Yang and J.-S. Ma	10037	Self-assembly of bis(pyrrol-2-yl-methyleneamine)s bridged by flexible linear carbon chains
A. Bouillon, J.-C. Lancelot, J. S. de Oliveira Santos, V. Collot, P. R. Bovy and S. Rault	10043	Synthesis of novel halopyridinylboronic acids and esters. Part 4: Halopyridin-2-ylboronic acids and esters are stable, crystalline partners for classical Suzuki cross-coupling
F.-X. Le Foulon, E. Braud, F. Fabis, J.-C. Lancelot and S. Rault	10051	Synthesis and combinatorial approach of the reactivity of 6- and 7-arylthieno[3,2-*d*]-[1,3]oxazine-2,4-diones
S. K. Pandey, A. L. Gryshuk, A. Graham, K. Ohkubo, S. Fukuzumi, M. P. Dobhal, G. Zheng, Z. Ou, R. Zhan, K. M. Kadish, A. Oseroff, S. Ramaprasad and R. K. Pandey	10059	Fluorinated photosensitizers: synthesis, photophysical, electrochemical, intracellular localization, in vitro photosensitizing efficacy and determination of tumor-uptake by ^{19}F in vivo NMR spectroscopy
K. Baumann, M. Bacher, A. Damont, K. Högenauer and A. Steck	10075	On the reactivity of ascomycin at the binding domain. Part 1: Liberation of the tricarbonyl portion of ascomycin
S. C. McCleskey, P. N. Floriano, S. L. Wiskur, E. V. Anslyn and J. T. McDevitt	10089	Citrate and calcium determination in flavored vodkas using artificial neural networks
S. J. Swamy, B. Veerapratap, D. Nagaraju, K. Suresh and P. Someshwar	10093	Non-template synthesis of 'N_4' di- and tetra-amide macrocylic ligands with variable ring sizes
	I	Instructions to contributors

NUMBER 51

Contents

	v	Contributors to this issue
	10097	Graphical abstracts
		Tetrahedron report number 661
I. Denissova and L. Barriault	10105	Stereoselective formation of quaternary carbon centers and related functions
		Articles
T. Hirao, S. Santhitikul, H. Takeuchi, A. Ogawa and H. Sakurai	10147	Reductive esterification of aromatic aldehydes using Zn/Ac_2O/imidazole or Zn/Yb$(OTf)_3$/ $(RCO)_2O$ system
M. Ochiai, K. Miyamoto, T. Suefuji, M. Shiro, S. Sakamoto and K. Yamaguchi	10153	Synthesis and structure of supramolecular complexes between 1-alkynyl(phenyl)-(tetrafluoroborato)-λ^3-iodanes and 18-crown-6

H. Okamura, H. Shimizu, N. Yamashita, T. Iwagawa and M. Nakatani	10159	Total synthesis of (+)-epiepoformin and (−)-phyllostine
L. L. Parker, N. D. Gowans, S. W. Jones and D. J. Robins	10165	A practical method for building linear and cyclic triamines from (2-trimethylsilyl)-ethanesulfonamides (SES-amides)
C. Wiles, P. Watts, S. J. Haswell and E. Pombo-Villar	10173	Solution phase synthesis of esters within a micro reactor
J. Raczko	10181	From furan to open-chain systems. Synthesis of C1–C9 fragment of tylonolide
E. Meyer, A. C. Joussef, H. Gallardo, A. J. Bortoluzzi and R. L. Longo	10187	1,5-Type nonbonded O···S and S···S interactions in (acylimino) and (thioacyl-imino)benzothiazoline systems. Crystal structures and theoretical calculations
L. Bianchi, C. Dell'Erba, M. Maccagno, A. Mugnoli, M. Novi, G. Petrillo, F. Sancassan and C. Tavani	10195	α-Oxohydrazones as imine component in the synthesis of 4-functionalized azetidinones by the Staudinger reaction
A. Napolitano, M. Rodriquez, I. Bruno, S. Marzocco, G. Autore, R. Riccio and L. Gomez-Paloma	10203	Synthesis, structural aspects and cytotoxicity of the natural cyclopeptides yunnanins A, C and phakellistatins 1, 10
S. Lebreton, N. Newcombe and M. Bradley	10213	Antibacterial single-bead screening
T. Murano, Y. Yuasa, H. Kobayakawa, T. Yokomatsu and S. Shibuya	10223	Synthesis of acyclic nucleotide analogues possessing a difluoromethylene phosphonyl group at the side chain
K. L. Erickson, K. R. Gustafson, D. J. Milanowski, L. K. Pannell, J. R. Klose and M. R. Boyd	10231	Myriastramides A–C, new modified cyclic peptides from the Philippines marine sponge *Myriastra clavosa*
A. K. Pathak, V. Pathak, M. Kulshrestha, D. Kinnaird, W. J. Suling, S. S. Gurcha, G. S. Besra and R. C. Reynolds	10239	Arabinofuranose disaccharide analogs as inhibitors of *Mycobacterium tuberculosis*
K. Błażewska and T. Gajda	10249	*N*-(Diethoxyphosphoryl)-*O*-benzylhydroxylamine—a convenient substrate for the synthesis of *N*-substituted *O*-benzylhydroxylamines
J. K. Bjernemose, E. Frandsen, F. Jensen and C. Th. Pedersen	10255	The structure of higher homologues of 1,6,6aλ^4-trithiapentalenes the question of no-bond-single-bond-resonance in five sulfuratom homologues
S. Thoonen, B.-J. Deelman and G. van Koten	10261	Selective synthesis of monoorganotin trihalides: the direct reaction of allylic halides with tin(II) halides catalyzed by platinum and palladium complexes
A. Bhattacharya, A. K. Prasad, J. Maity, Himanshu, Poonam, C. E. Olsen, R. A. Gross and V. S. Parmar	10269	Highly efficient and selective biocatalytic acylation studies on triazolylsugars
V. Nair, A. U. Vinod, N. Abhilash, R. S. Menon, V. Santhi, R. L. Varma, S. Viji, S. Mathew and R. Srinivas	10279	Multicomponent reactions involving zwitterionic intermediates for the construction of heterocyclic systems: one pot synthesis of aminofurans and iminolactones
J. Ishihara, Y. Ikuma, S. Hatakeyama, T. Suzuki and A. Murai	10287	Synthesis of the tricyclic dihydrofuran moiety of azadirachtin: efficient transformation of the Claisen rearrangement intermediate into a functionalized tricyclic dihydrofuran core
F. Y. Kwong, C. W. Lai, M. Yu, Y. Tian and K. S. Chan	10295	Palladium-catalyzed phosphination of functionalized aryl triflates
S. Raghavan and M. A. Rasheed	10307	A novel and stereospecific synthesis of (+)-preussin
S. Pellet-Rostaing, F. Chitry, J.-A. Spitz, A. Sorin, A. Favre-Réguillon and M. Lemaire	10313	New water-soluble calix[4]arene-bis(benzocrown-6) for caesium–sodium separation by nanofiltration–complexation

J. S. Yadav and Ch. Srinivas	10325	Ring expansion approach for the synthesis of the (3*S*,4*S*)-hexahydroazepine core of balanol and ophiocordin
Y. J. Jung, J. W. Bae, E. S. Park, Y. M. Chang and C. M. Yoon	10331	An efficient conversion of nitroaromatics and aromatic amines to tertiary amines in one-pot way
	I	Instructions to contributors

NUMBER 52

Contents

Tetrahedron Symposium-in-Print Number 100

Recent advances in rare earth chemistry

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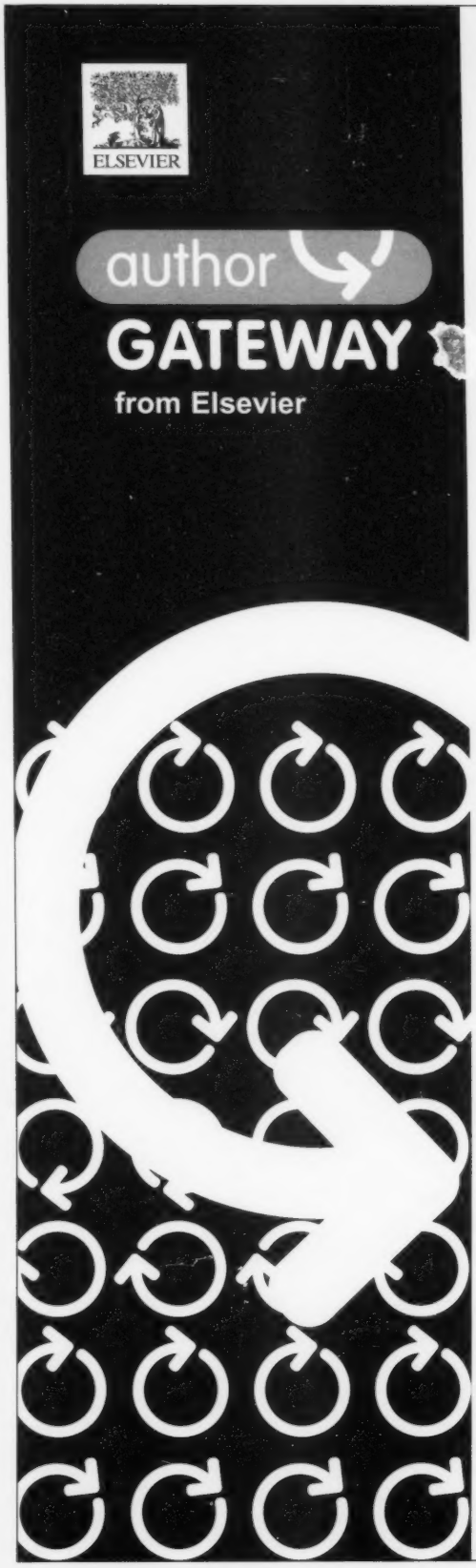
	v	Contributors to this issue
	10339	Announcement: Tetrahedron Symposia-in-Print
	10343	Graphical abstracts
	10349	Preface
		Tetrahedron report number 662
H. B. Kagan	10351	Twenty-five years of organic chemistry with diiodosamarium: an overview
		Articles
S. Wang, Y. Wang, M.-S. Cheung, H.-S. Chan and Z. Xie	10373	Substituents effect on molecular structures of 13-vertex *closo*-metallacarboranes of rare earths. Synthesis and structural characterization of metallacarboranes bearing *nido*- and *arachno*-carborane ligands
K. Takaki, K. Komeyama and K. Takehira	10381	Synthesis of lanthanide(II)–imine complexes and their use in carbon–carbon and carbon–nitrogen unsaturated bond transformation
M. Kim, B. W. Knettle, A. Dahlén, G. Hilmersson and R. A. Flowers, II	10397	Reduction and reductive coupling of imines by Sm(II)-based reagents
Y. Kitamura, J. Sumaoka and M. Komiyama	10403	Hydrolysis of DNA by cerium(IV)/EDTA complex
G. Qi, Y. Nitto, A. Saiki, T. Tomohiro, Y. Nakayama and H. Yasuda	10409	Isospecific polymerizations of alkyl methacrylates with a bis(alkyl)Yb complex and formation of stereocomplexes with syndiotactic poly(alkyl methacrylate)s
H. Tsuruta, K. Yamaguchi and T. Imamoto	10419	Tandem mass spectrometric analysis of rare earth(III) complexes: evaluation of the relative strength of their Lewis acidity
K. Manabe, S. Ishikawa, T. Hamada and S. Kobayashi	10439	Lewis acid-catalyzed asymmetric hydroxymethylation of silicon enolates in aqueous media
S. Fukuzawa, K. Metoki and S. Esumi	10445	Asymmetric Diels–Alder reactions in supercritical carbon dioxide catalyzed by rare earth complexes
H. C. Aspinall, N. Greeves and E. G. McIver	10453	Modular chiral polyether podands and their lanthanide complexes
D. Yang, Y.-L. Yan, K.-L. Law and N.-Y. Zhu	10465	Lewis acid-catalyzed atom transfer radical cyclization of unsaturated β-keto amides

H. Tamiaki, S. Unno, E. Takeuchi, N. Tameshige, S. Shinoda and H. Tsukube	10477	Induced circular dichroism by complexation of gadolinium(III) porphyrinates with chiral amino acids and dipeptides: effects of axial β-diketonate ligands on chirality sensing and recognition
T. Ohshima, T. Nemoto, S. Tosaki, H. Kakei, V. Gnanadesikan and M. Shibasaki	10485	Catalytic asymmetric epoxidation of α,β-unsaturated carboxylic acid imidazolides and amides by lanthanide–BINOL complexes
Y. Sumino, N. Harato, Y. Tomisaka and A. Ogawa	10499	A novel photoinduced reduction system of low-valent samarium species: reduction of organic halides and chalcogenides, and its application to carbonylation with carbon monoxide
H. Furuno, T. Hayano, T. Kambara, Y. Sugimoto, T. Hanamoto, Y. Tanaka, Y. Z. Jin, T. Kagawa and J. Inanaga	10509	Chiral rare earth organophosphates as homogeneous Lewis acid catalysts for the highly enantioselective hetero-Diels–Alder reactions
O. Tardif, M. Nishiura and Z. Hou	10525	Rare earth alkyl and hydride complexes bearing silylene-linked cyclopenta-dienyl-phosphido ligands. Synthesis, structures, and catalysis in olefin hydro-silylation and ethylene polymerization
L. M. Mikkelsen, C. M. Jensen, B. Høj, P. Blakskjær and T. Skrydstrup	10541	Further studies in the acyl-type radical additions promoted by SmI_2: mechanistic implications and stereoselective reduction of the keto-functionality
M.-I. Lannou, F. Hélion and J.-L. Namy	10551	Some uses of mischmetall in organic synthesis
R. Anwander, I. Nagl, C. Zapilko and M. Widenmeyer	10567	Methyl methacrylate polymerization at samarium(II)-grafted MCM-41
M. P. Sibi, S. Manyem and R. Subramaniam	10575	Enantioselective radical allylation reactions using chiral lanthanide Lewis acids
G. A. Molander and S. K. Pack	10581	Determining the scope of the lanthanide mediated, sequential hydroamination/C–C cyclization reaction: formation of tricyclic and tetracyclic aromatic nitrogen heterocycles
K. Mikami, M. Yamanaka, M. N. Islam, K. Kudo, N. Seino and M. Shinoda	10593	'Fluorous nanoflow' system for the Mukaiyama aldol reaction catalyzed by the lowest concentration of the lanthanide complex with bis(perfluorooctanesulfonyl)-amide ponytail
	I	Tetrahedron reports on organic chemistry
	XXVII	Instructions to contributors



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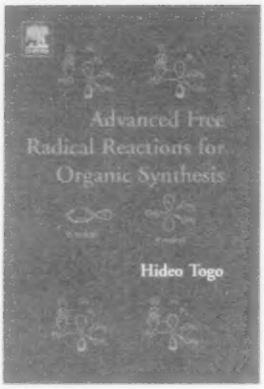

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By
Hideo Togo, *Department of Chemistry, Faculty of Science, Chiba University, Japan*

Free radical reactions have become increasingly important and a very attractive tool in organic synthesis in the last two decades, due to their powerful, selective, specific, and mild reaction abilities. *Advanced Free Radical Reactions for Organic Synthesis* reviews information on all types of practical radical reactions, e.g. cyclizations, additions, hydrogen-atom abstractions, decarboxylation reactions. The book usefully provides experimental details for the most important reactions as well as numerous references to the original literature. By covering both the fundamentals and synthetic applications it is therefore suitable for both new and experienced researchers, chemists, biochemists, natural product chemists and graduate students. This title is the definitive guide to radical chemistry for all scientists.

Audience
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Contents

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2. Functional Group Conversion
3. Intramolecular Radical Cyclizations
4. Intermolecular Radical Addition Reactions
5. Alkylation of Aromatics
6. Intramolecular Hydrogen-Atom Abstraction
7. Synthetic Uses of Free Radicals for Nucleosides and Sugars: Barton-McCombie Reaction
8. Barton Decarboxylation Reaction with *N*-hydroxy-2-thiopyridone
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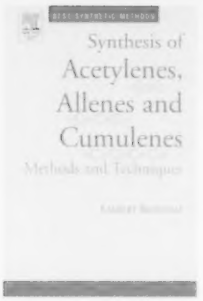

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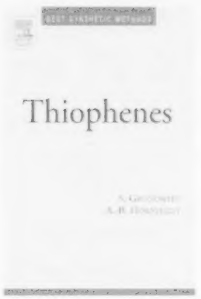

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Department of Organic Chemistry, Lund University, Lund, Sweden

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Prof. **V.K. Aggarwal**	(University of Bristol, Bristol, UK)
Prof. **A. Alexakis**	(Université de Genève, Genève, Switzerland)
Prof. **C.J. Forsyth**	(University of Minnesota, Minneapolis, USA)
Prof. **J.P. Genêt**	(E.N.S. de Chimie Paris, Paris Cedex, France)
Prof. **K. Maruoka**	(Kyoto University, Kyoto, Japan)
Prof. **D.W.C. MacMillan**	(California Institute of Technology, Pasadena, USA)
Prof. **K. Mikami**	(Tokyo Institute of Technology, Tokyo, Japan)
Prof. **T. Mukaiyama**	(Science University of Tokyo, Tokyo, Japan)
Prof. **E. I. Nakamura**	(University of Tokyo, Tokyo, Japan)
Prof. **K.B. Sharpless**	(The Scripps Research Institute, La Jolla, USA)
Prof. **E.J. Thomas**	(University of Manchester, Manchester, UK)
Prof. **J.D. Winkler**	(University of Pennsylvania, Philadelphia, USA)

The "Tetrahedron Chair" will be offered to

Prof. **Aloïs Fürstner** (Max Planck Institüt, Mülheim, Germany)
who will deliver a series of lectures on July 12th, 2004

The Dr. Paul Janssen Prize for Creativity in Organic Synthesis

will be awarded to an organic chemist by the Janssen Research Foundation, on July 15th, 2004 for his/her significant contribution to the field.

Poster Session, Banquet, Excursion and Accompanying Persons Program

Deadline for registration: 30 April 2004

Prof. I.E. Markó (chairman), Université catholique de Louvain, Department of Chemistry, Place Louis Pasteur 1 Bte 2 B-1348 Louvain-la-Neuve (Belgium); Tel: +32-10-478773 or 472782 Fax: +32-10-472788; e-mail: boss10@chim.ucl.ac.be

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- SJ Danishefsky *(Sloan-Kettering Institute and Columbia University)*
- WL Jorgensen *(Yale University)*
- CA Lipinski *(Pfizer Global R&D, retired)*
- CA Maryanoff *(Johnson & Johnson)*
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- SL Schreiber *(Harvard University)*
- EM Scolnick *(Merck)*

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